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ABSTRACT

This document analyzes the occupational supply/demand data provided by the Maine Occupational Information Coordinating Committee's Occupational Information System. The information on occupational demand is derived from the Department of Labor's Occupational Employment Survey, a survey of business and industry that attempts to quantify the demand for employees in each occupation. Summaries by specific occupations are provided for programs currently offered by secondary vocational regions and centers or by postsecondary vocational-technical institutes in the state. The data are summarized in a table that follows the analysis. The report also supplies secondary vocational education enrollment statistics by program and facility for the program year 1987-88. Notes to the report outline the supply/demand outlook for specific secondary occupational training programs related to occupations in the hospitality, recreation, and tourism industries. (KC)

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OUTLOOK FOR THE 90'S

OCCUPATIONAL SUPPLY/ DEMAND ANALYSIS NOTEBOOK FOR THE STATE OF MAINE

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BUREAU OF ADULT AND
SECONDARY VOCATIONAL EDUCATION
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JUNE 12, 1989

The following is an analysis of the occupational supply/demand data provided by the Maine Occupational Information Coordinating Committee's (MOICC) Occupational Information System (OIS). The information on occupational demand is derived from the Department of Labor's Occupational Employment Survey (OES). The OES is a survey of business and industry which attempts to quantify the demand for employees in each occupation. The data is summarized in the table which follows this analysis.

Programs Currently Offered by Secondary Vocational Regions and Centers or by Postsecondary Vocational-Technical Institutes

AGRICULTURAL POWER MACHINERY (01.0204), offered in Maine at the secondary level (3 sites), is not included in the MOICC OIS due to the lack of agricultural employment data in the OES system. Possible response: request DOL's Division of Economic Analysis and Research to implement an OES survey of agriculture following the national protocol defined by the Bureau of Labor Statistics.

CROP PRODUCTION (01.0304), offered in Maine at the secondary level (4 sites), was formerly included in the MOICC OIS in Unit of Analysis 146--Farmers/Farm Owners/Farm Managers--but has since been dropped due to the lack of agricultural employment data in the OES system. Possible response: request DOL's Division of Economic Analysis and Research to implement an OES survey of agriculture following the national protocol defined by the Bureau of Labor Statistics.

HORTICULTURE (01.0601), offered in Maine at both the secondary and the postsecondary levels (3 sites), is crosswalked to the OES occupation Gardeners and Groundskeepers (80001401) through the MOICC Unit of Analysis 144--Gardening/ Groundskeeping. UA 144 exhibits a very favorable s/d ratio (1 to 5), high AAO (210), and rapid employment growth (almost 68%). However, it also reflects a Jobless Index of over 24. Analysis: high JI may indicate that substantial sources of supply exist outside of formal vocational education. Possible response: review placement rates. High placement rates may indicate that vocational completers have a decided advantage over other entrants to the occupation. Low rates may suggest that vocational education is not the most appropriate form of training for this occupation.

CONSERVATION (03.0202), offered in Maine at the secondary level (one site), is crosswalked to the OES Occupation Forest Conservation Workers (80002831) through the MOICC Unit of Analysis 145--Forest Conservation Aide. This UA also includes a baccalaureate-level conservation program available through the higher education community. UA 145 exhibits an unfavorable s/d ratio (1.5 to 1), low AAO (6), and low employment growth (10.4%).

No Jobless Index is available. Enrollments have declined steadily but slowly over the last three years. Possible response: review placement rates and evaluate nature of student/parent/community demand for the program.

LOGGING (03.0405), offered in Maine at both the secondary and postsecondary levels (12 sites), is crosswalked to four different OES logging occupations through MOICC Unit of Analysis 063--Logging Operations. UA 063 exhibits a very favorable s/d ratio (approximately 1 to 3), and high AAO (273). However, employment in the component occupations declined by just over 1% over the last six years and the UA currently exhibits a very high Jobless Index of almost 17. Analysis: high JI may indicate that substantial sources of supply exist outside of formal vocational education. Possible response: review placement rates. High placement rates may indicate that vocational completers have a decided advantage over other entrants to the occupation. Low rates may suggest that vocational education is not the most appropriate form of training for this occupation.

HOTEL/MOTEL MANAGEMENT (06.0701), offered in Maine at the postsecondary level (one site), is not currently included in the MOICC OIS because most of the demand data is rolled up in a residual OES category (All Other Managers, 20061699). Possible response: request DOL's Division of Economic Analysis and Research to expedite conversion of the OES Survey to the new SOC-based occupational framework, which will disaggregate many of the residual categories in the current survey and provide specific demand data on Managers; Food Serving and Lodging Establishments (SOC 1351).

MARKETING MANAGEMENT (06.1401), offered in Maine at the postsecondary level through both the Maine VTI System and the higher education community, is crosswalked to the OES occupation Manager, Merchandise (20020800) through MOICC Unit of Analysis 037--Managers, Merchandise. This UA also includes a program offered at the secondary level at 15 sites: RETAILING (08.0705). Counting completers of both programs, UA 037 exhibits a very unfavorable s/d ratio (over 3 to 1) and modest AAO (63). On the other hand, employment growth in the crosswalked occupation has been high (almost 33% over the last six years) and the Jobless Index is very low (.3). Analysis: low JI may indicate that completers of RETAILING are actually entering another occupation, leaving a virtual supply/demand balance between the postsecondary program MARKETING MANAGEMENT and the occupation Merchandise Managers. Response: review placement data for both programs to test analysis. If confirmed, request redefinition of UA 037.

REAL ESTATE (06.1701), offered in Maine at the postsecondary level (one site), is crosswalked to the OES occupation Sales Agent, Real Estate (30001403) through the MOICC UA 039--Sales, Real Estate. UA 039 exhibits an extremely favorable s/d ratio (1 to 66) since only one completion was reported for the current year, and a reasonably high AAO (66). No Jobless Index is available. Analysis: Near zero completions despite strong

demand may simply reflect a problem with the reporting system or may indicate the industry prefers other forms of training for real estate agents. Response: contact program sponsor (EMVTI) to review enrollment data and ascertain current status of the program. Note that increased state requirements for the licensing of real estate agents may lead to a sharp increase in demand for this program at both the postsecondary and the adult levels.

ACCOUNTING AND COMPUTING (07.0102) is offered in Maine at both the secondary and postsecondary levels.

At the secondary level (3 sites), this program is crosswalked to the OES occupations Accounting Clerk (40060601) and Bookkeeper, Hand (40060603) through the MOICC Unit of Analysis 051--Accounting and Bookkeeping Clerks. UA 051 exhibits a very favorable s/d ratio (approximately 1 to 8), a very high AAO (589), rapid employment growth (over 32%) and a modest Jobless Index. Possible response: review placement rates and other measures of program quality to determine if increased enrollment levels might be warranted.

At the postsecondary level (3 sites), this program crosswalks to the OES occupation Accountants and Auditors (10240201) through the MOICC Unit of Analysis 032--Accountants and Auditors. UA 032, which also incorporates the baccalaureate-level program ACCOUNTING (06.0201), exhibits a virtual s/d balance, with just over 200 labor market entrants and job openings anticipated each year through 1995, and a modest Jobless Index of 3.3. Possible response: maintain enrollment at current levels.

BUSINESS DATA PROCESSING, GENERAL (07.0301)--offered in Maine at the postsecondary level (2 sites)--and one of its component programs, BUSINESS DATA ENTRY EQUIPMENT OPERATION (07.0303)--offered in Maine at the secondary level (12 sites)--are both crosswalked to the OES occupations Peripheral Electronic Data Processing Equipment Operator (40040602) and Keypunch Operator (40041000) through the MOICC Unit of Analysis 049--Business Data Processing. UA 049 exhibits a very unfavorable s/d ratio (approximately 6 to 1) and a relatively low AAO (38). However, its Jobless Index is relatively modest (4.9). Analysis: Modest JI despite very unfavorable s/d ratio may indicate program completers are actually entering other occupations; rapid technological change in the data processing field may require redefinition of related occupations, programs, and units of analysis. Possible response: review placement rates and other measures of program quality to determine if program definition, content, or both, need revision, as well as UA 049.

BUSINESS COMPUTER AND CONSOLE OPERATION (07.0303), offered in Maine at the secondary level (2 sites), crosswalks to the OES occupation Computer Operator (40040601) through the MOICC Unit of Analysis 048--Computer Operator. UA 048 exhibits only a modest

AAO (42), although its s/d ratio is favorable at that level (1 to 1.4). No Jobless Index is available. Analysis: rapidly changing data processing technology may displace or transform this occupation in the near future. Possible response: unless placement rates or other indicators of program quality indicate otherwise, maintain enrollments at existing levels for the time being, reassess program status on an annual basis.

OFFICE SUPERVISION AND MANAGEMENT (07.0401), offered in Maine at the postsecondary level (one site), crosswalks to the OES occupation Clerical Supervisors (40061200) but is not currently incorporated into any MOICC Unit of Analysis. Possible response: request definition of new UA.

SECRETARIAL AND RELATED PROGRAMS, GENERAL (07.0601)--offered in Maine both at the secondary level (3 sites) and at the postsecondary level through the higher education community--and four of its component programs, offered in Maine at the postsecondary level through both the Maine VTI System and the higher education community--EXECUTIVE SECRETARIAL (07.0603), LEGAL SECRETARIAL (07.0604), MEDICAL SECRETARIAL (07.0605), and SECRETARIAL (07.0606)--are all crosswalked to the OES occupation Secretary (40020200) through the MOICC Unit of Analysis 043--Secretaries. UA 043 exhibits a favorable s/d ratio (approximately 1 to 1.5), a very high AAO (586), a rapid rate of employment growth (33%), and a relatively low Jobless Index (not quite 4). However, MOICC data indicates that other sources of supply exist beyond secondary and postsecondary education. Possible response: maintain enrollment at current levels.

GENERAL OFFICE CLERK (07.0705), offered in Maine at both the secondary and the postsecondary levels (4 sites), is crosswalked to a total of 11 OES occupations (all within the 40060000 clerical workers group) through the MOICC Unit of Analysis 055--Clerks and Related. [Plus one more--Typist (40020600)-- through UA 045--Typists--included in the following analysis.] UA 055 exhibits an extremely favorable s/d ratio (1 to 23), an extremely high AAO (over 1,100), steady employment growth (approximately 25%). However, it also reflects a fairly high Jobless Index of nearly 8. Analysis: high JI may indicate that substantial sources of supply exist outside of formal vocational education. Possible response: review placement rates. High placement rates may indicate that vocational completers have a decided advantage over other entrants to clerical occupations. Low rates may suggest that vocational education is not the most appropriate form of training for these occupations.

RETAILING (08.0705), offered in Maine at the secondary level (15 sites), is crosswalked to the OES occupation Manager, Merchandise (20020800) through MOICC Unit of Analysis 037--Managers, Merchandise. This UA also includes a program offered at the postsecondary level at 2 sites: MARKETING MANAGEMENT (06.1401). Counting completers of both programs, UA 037 exhibits a very unfavorable s/d ratio (over 3 to 1) and modest AAO (63). On the other hand, employment growth in the crosswalked

occupation has been high (almost 33% over the last six years) and the Jobless Index is very low (.3). Analysis: low JI may indicate that completers of RETAILING are actually entering another occupation, leaving a virtual supply/demand balance between the postsecondary program MARKETING MANAGEMENT and the occupation Merchandise Managers. Response: review placement data for both programs to test analysis. If confirmed, request redefinition of UA 037.

COMPUTER PROGRAMMING (11.0201), offered in Maine at the postsecondary level (one site), is crosswalked to the OES occupation Computer Programmer (10160200) through the MOICC Unit of Analysis 028--Computer Programmers. UA 028, which also incorporates the baccalaureate-level program COMPUTER SCIENCE (11.0101), exhibits an very unfavorable s/d ratio (approximately 5 to 1) and a relatively low AAO (35). However, its Jobless Index is relatively modest (4.5). Analysis: Modest JI despite very unfavorable s/d ratio may indicate program completers are actually entering other occupations; rapid technological change in the data processing field may require redefinition of related occupations, programs, and units of analysis. Possible response: review placement rates and other measures of program quality to determine if program definition, content, or both, need revision, as well as UA 028.

ARCHITECTURAL DESIGN AND CONSTRUCTION TECHNOLOGY (15.0101), offered in Maine at the postsecondary level (one site), is crosswalked to the OES occupations Drafter (10080601) and Surveyor (10081600) through the MOICC Unit of Analysis 001--Drafting. Also incorporated in this UA is one other program offered in Maine at the postsecondary level only--MECHANICAL DRAFTING (48.0105) (one site)--one program offered at both the secondary and the postsecondary levels--ARCHITECTURAL DRAFTING (48.0102)(3 sites)--and one program offered at the secondary level only--DRAFTING, GENERAL (48.0101) (10 sites). This UA also includes one program offered through the higher education community--CIVIL TECHNOLOGY (15.0201)--and several programs not currently offered in Maine, including: DRAFTING AND DESIGN TECHNOLOGY (15.0202); SURVEYING AND MAPPING TECHNOLOGY (15.0203); CIVIL AND STRUCTURAL DRAFTING (48.0103); and ELECTRONIC DRAFTING (48.0104). UA 001 exhibits a very unfavorable s/d ratio (over 3 to 1), a modest AAO (53), and a fairly high Jobless Index (5.9). During the last six years, this UA experienced rapid employment growth (almost 40%), but the occupation of drafter is now undergoing rapid change due to the impact of electronic technology. Possible response: review placement rates and other measures of program quality to determine if a decrease in enrollment levels might be warranted.

ELECTRICAL TECHNOLOGY (15.0302) and ELECTRONIC TECHNOLOGY (15.0303), each offered in Maine at the postsecondary level through the Maine VTI System (2 sites), are crosswalked to three OES occupations, including Electrical and Electronic Technicians (10080803), through the MOICC Unit of Analysis 003--Electrical and Electronic Technicians. UA 003 exhibits a virtual

supply/demand balance and a low Jobless Index (2.2), despite the fact that Electrical Technology is also offered through the higher education community. Possible response: maintain enrollments at current levels.

ELECTROMECHANICAL TECHNOLOGY (15.0304), offered in Maine at the postsecondary level (one site), is crosswalked to the OES occupation Mechanical Engineering Technician (10081400) through the MOICC Unit of Analysis 004--Mechanical Engineering Technician. UA 004--which also includes MECHANICAL DESIGN TECHNOLOGY (15.0805), offered through the higher education community--exhibits a very favorable s/d ratio (approximately 1 to 6), a very large AAO (318), and fairly rapid employment growth (over 32%). However, it also exhibits a Jobless Index of almost 23. Analysis: high JI may indicate that substantial sources of supply exist outside of formal vocational education. Possible response: review placement rates. High placement rates may indicate that vocational completers have a decided advantage over other entrants to the occupation. Low rates may suggest that vocational education is not the most appropriate form of training for this occupation.

AIR CONDITIONING, HEATING, AND REFRIGERATION TECHNOLOGY (15.0501) is a technical program offered in Maine at the postsecondary level (one site). Lacking a determinant OES crosswalk except to the occupation Stationary Engineer (50144014), this program is not suitable for incorporation into MOICC Unit of Analysis 075--Heating, Cooling, and Air Conditioning--but is also clearly outside the scope of UA 080--Power Generation Maintenance--which incorporates Stationary Engineer. It is not currently incorporated into any UA. Possible response: review feasibility of defining a new UA, although the lack of a unique and specific crosswalk may preclude this. Alternate response: review placement rates and other measures of program quality to determine if the lack of a unique and specific occupational indicates a problem of program definition.

WATER AND WASTEWATER TECHNOLOGY (15.0506), offered in Maine at the postsecondary level (2 sites), is crosswalked to three OES occupations--Treatment Plant Mechanic (50081810), Pump Station Operator (50144019), and Water Treatment Plant Operator (50144025)--through MOICC Unit of Analysis 083-Treatment Plant Mechanic. UA 083 exhibits very few AAO (9), but also a virtual supply/demand balance at that low level (1986-87 enrollment = 12) and a relatively low Jobless Index (4.1). Possible response: maintain enrollments at current levels.

WELDING TECHNOLOGY (15.0610), offered in Maine at the postsecondary level (one site), is crosswalked to the OES occupation Welders and Flamecutters (61022002) through the MOICC Unit of Analysis 115--Welders and Flamecutters. UA 115 also includes the program WELDING, BRAZING, AND SOLDERING (48.0508), offered in Maine at both the postsecondary and the secondary level (13 sites). This UA exhibits a fairly large AAO (118), but

also an unfavorable s/d ratio (over 1.5 to 1) and a very high Jobless Index (14.5). Possible response: review placement rates and other indicators of program quality to determine if a decrease in enrollments is warranted.

AUTOMOTIVE TECHNOLOGY (15.0803), offered in Maine at the postsecondary level (one site), primarily crosswalks to OES residual categories (All Other Engineering Technicians--10081898--and All Other Science Technicians--10081899). This program is not currently incorporated into any MOICC Unit of Analysis. Possible response: explore definition of an "Engineering Technologist" UA to incorporate technical programs with no specific crosswalk and residual OES technologist categories.

EMERGENCY MEDICAL TECHNOLOGY--PARAMEDIC (17.0206), offered in Maine at the postsecondary level (one site), crosswalks to two OES occupations--Emergency Medical Technician (10121008) and Ambulance Driver and/or Ambulance Attendant (62002001)--through the MOICC Unit of Analysis 020--Emergency Medical Technician. UA 020 also incorporates the program EMERGENCY MEDICAL TECHNOLOGY--AMBULANCE (17.0205), which is not currently offered in Maine. This UA exhibits a modest AAO (42), but also an extremely favorable s/d ratio at the present time (1 to 14). No Jobless Index is available. Possible response: review placement rates and other indicators of program quality to determine if a modest increase in enrollments is warranted.

MEDICAL RADIATION DOSIMETRY (17.0207), offered in Maine at the postsecondary level (one site), crosswalks to the OES occupation Radiation Therapy Technologist (10120803). MOICC Unit of Analysis 017--Radiologic Technology--includes two closely related "allied health" programs--NUCLEAR MEDICAL TECHNOLOGY (17.0208) (which is not offered in Maine) and RADIOGRAPHIC MEDICAL TECHNOLOGY (17.0209) (which is offered at one site)--but currently does not incorporate 17.0207. Instead, it includes a quite distinct physical science technology program, RADIOLOGIC (PHYSICAL) TECHNOLOGY (41.0204), which is offered in Maine through the higher education community. Possible response: request redefinition of UA 017 to include CIP 17.0207 and OES 10120803 and exclude CIP 41.0204 (which actually crosswalks to the residual OES categories All Other Engineering Technicians--10081898--and All Other Science Technicians--10081899). It might also be perfectly appropriate to define a separate UA for each of these three allied health programs, since each has a corresponding and unique OES occupation.

RADIOGRAPHIC MEDICAL TECHNOLOGY (17.0209), offered in Maine at the postsecondary level (2 sites), crosswalks to the OES occupation Radiologic Technicians (10120801) through the MOICC Unit of Analysis 017--Radiologic Technology. UA 017 also includes a closely related "allied health" program, NUCLEAR MEDICAL TECHNOLOGY (17.0208) (which is not offered in Maine at this time) and its OES crosswalk, Nuclear Medicine Technologists (10120804), but it does not include a third closely related program, MEDICAL RADIATION DOSIMETRY (17.0207) (which is offered

at the postsecondary level at one site) and its OES crosswalk, Radiation Therapy Technologists (10120803). Instead, it includes a quite distinct physical science technology program, RADIOLOGIC (PHYSICAL) TECHNOLOGY (41.0204), which is offered in Maine through the higher education community and has no specific OES crosswalk. This UA exhibits a relatively modest AAO (34), but also a very favorable s/d ratio at that level (approximately 1 to 2.5) and a very low Jobless Index (0.6). Possible response: maintain enrollments at current levels.

RESPIRATORY THERAPY TECHNOLOGY (17.0210), offered in Maine at the postsecondary level (2 sites), crosswalks to the OES occupation Respiratory Therapists (10101809) through the MOICC Unit of Analysis 010--Inhalation Therapy. [UA 010 is also identified as including the program CORRECTIVE THERAPY (17.0802), which is not offered in Maine but crosswalks to the OES occupation Corrective Therapists (10101808), but this is clearly a clerical error.] This UA exhibits a very modest AAO (7) and a very unfavorable s/d ratio at that level (almost 3 to 1). At the same time, however, its Jobless Index is very low (1.8). Analysis: a significant percentage of program completers may be emigrating to fill vacancies in other states. Possible response: unless a review of placement data or other indicators of program quality suggests otherwise, maintain enrollments at current levels.

SURGICAL TECHNOLOGY (17.0211), offered in Maine at the postsecondary level (one site), crosswalks to the OES occupation Surgical Technician (10121002) through the MOICC Unit of Analysis 018--Surgical Technology. UA 018 exhibits a very modest AAO (10), but also a very favorable s/d ratio at that level (5 to 1). No Jobless Index is available. Possible response: review placement rates and other indicators of program quality to determine if a modest increase in enrollments is warranted.

MEDICAL LABORATORY TECHNOLOGY (17.0309), offered in Maine at the postsecondary level through both the Maine VTI System (one site) and the higher education community, crosswalks to the OES occupations Medical Laboratory Assistants (10120206) and Blood Bank Technology Specialists (10120207) through the MOICC Unit of Analysis 013--Medical Laboratory Assistant. UA 013 also incorporates two other programs not currently offered in Maine: CLINICAL LABORATORY ASSISTING (17.0305) and HEMATOLOGY TECHNOLOGY (17.0307). This UA exhibits only a modest AAO (13) and a relatively unfavorable s/d ratio at that level (almost 1.5 to 1). In addition, the Jobless Index is relatively high for a health-related occupation: 4.6. Possible response: unless a review of placement data or other indicators of program quality suggests otherwise, maintain enrollments at current levels.

MEDICAL ASSISTING (17.0503), offered in Maine both at the secondary level and at the postsecondary level (through both the Maine VTI System and the higher education community), crosswalks to the OES occupation Medical Assistant (70061013) through the MOICC Unit of Analysis 134--Medical Assistants. UA 134 exhibits

a modest AAO (40) and a favorable s/d ratio at that level (1 to 1.33), although its Jobless Index is fairly high for a health-related occupation (4.5). Possible response: unless a review of placement data or other indicators of program quality suggests otherwise, maintain enrollments at current levels.

WARD CLERK (17.0513), offered in Maine at the secondary level (one site), crosswalks to the DOT occupation Ward Clerk (245.362-014), but is not currently included in the MOICC OIS because its demand data is rolled up in the OES occupation General Clerks, Office (40066811). The SOC follows suit, subsuming Ward Clerk into General Office Occupations (463) (Note definition: "This minor group includes occupations concerned with general clerical office work of a combination of clerical activities too general to be classified in a more specific occupation group.") Possible response: review placement information and other indicators of program quality to determine if this program should be absorbed into General Office Clerk (07.0705), offered at the same site. Alternate response: request DOL's Division of Economic Analysis and Research to amend the OES survey of the health care industry to gather demand data for Ward Clerk as an individual occupation.

NURSING ASSISTING (17.0602), offered in Maine at both the postsecondary and secondary levels (24 sites), crosswalks to the OES occupation Nurse Aides and/or Orderlies (70061010) through the MOICC Unit of Analysis 132--Nurse Aides and/or Orderlies. UA 132 exhibits a very favorable s/d ratio (approximately 1 to 2) and a very high AAO (681), although its Jobless Index is also relatively high for a health-related occupation (6). Note that a significant number of Nursing Assisting programs are promoted as a "Health Occupations" technical preparation program. Analysis: high JI may reflect high rates of "burn-out" in this occupation. Possible response: review placement rates and other indicators of program quality, including postsecondary educational placement rates and occupational mobility data, to determine if apparent high levels of unmet demand warrant a modest increase in enrollment levels.

PRACTICAL NURSING (17.0605), offered in Maine at the postsecondary level (5 sites), crosswalks to the OES occupation Licensed Practical Nurse (10121010) through the MOICC Unit of Analysis 022--Licensed Practical Nursing. UA 022 exhibits a favorable s/d ratio (approximately 1 to 1.4), a high AAO (183), and a very low Jobless Index (1.3). Possible response: seek funding to re-establish LPN program at WCVTI on a permanent basis and authorize modest increases in enrollment at other campuses. Note that moves to define three levels of entry into nursing practice (Practical, Technical, and Professional) may require redefinition of existing LPN programs.

NURSING, GENERAL (18.1101), offered in Maine both at the associate degree level through the Maine VTI System and at the baccalaureate degree level through the higher education community, crosswalks to the OES occupation Nurse, Professional

(10100800) through the MOICC Unit of Analysis 006--Nursing, Professional. UA 006 exhibits a very favorable s/d ratio (approximately 1 to 1.9), a very high AAO (568), and an extremely low Jobless Index (.5). In addition, moves to define three levels of entry into nursing practice (Practical, Technical, and Professional) may lead to much higher levels of demand for Associate Degree Nurses. Possible response: review current status of entry-into-practice debate to determine if high levels of unmet demand and other circumstances warrant modest expansion of associate degree nursing program enrollments throughout the VTI system.

CHILD CARE AIDE/ASSISTING (20.0202), offered in Maine at the secondary level (8 sites), crosswalks to the OES occupations Child Care Attendant (70081601) and Child Care Worker (70081602) through the MOICC Unit of Analysis 137--Child Care Assistants. UA 137 exhibits a favorable s/d ratio (approximately 1 to 1.7), a fairly high AAO (193), and very rapid employment growth over the last six years (nearly 60%). However, no Jobless Index is available. Analysis: growing concern about child care shortages across the state may lead to increased funding and continued rapid growth in employment opportunities for child care workers. Possible response: maintain enrollments at current levels pending resolution of the current public policy debate over child care.

CHEF/COOK (20.0403), offered in Maine at the postsecondary level (2 sites), is crosswalked to three OES occupations--Cook, Short Order and Fast Food (70040802), Cook, Restaurant (70040803), and Cook, Institution (70040804)--through the MOICC Unit of Analysis 130--Cooks/Chefs. FOOD PRODUCTION, MANAGEMENT, AND SERVICES, GENERAL (20.0401), also offered in Maine at the postsecondary level (one site), is also incorporated into UA 130. UA 130 exhibits a very favorable s/d ratio (approximately 1 to 3), a very high AAO (421), and relatively rapid employment growth over the last six years (over 35%). However, its Jobless Index is also relatively high (almost 10%). Analysis: high JI may indicate that substantial sources of supply exist outside of formal vocational education. Possible response: review placement rates. High placement rates may indicate that vocational completers have a decided advantage over other entrants to the occupation. Low rates may suggest that vocational education is not the most appropriate form of training for this occupation.

FOOD SERVICE (20.0406), offered in Maine at both the secondary (16 sites) and the postsecondary (one site) levels, crosswalks to five OES occupations--Bartender (70040400); Hosts/Hostesses, Restaurant, Lounge, and/or Coffee Shop (70041601); Kitchen Helper (70041802); Food Preparation and/or Service Workers, Fast Food Restaurant (70041804); and Pantry, Sandwich, and/or Coffee makers (70041805)--through the MOICC Unit of Analysis 129--Food Service Workers. UA 129 exhibits extremely high AAO (889), a very favorable s/d ratio (approximately 1 to 4), and fairly rapid employment growth (almost 40%). However,

its Jobless Index is also fairly high (6.5). Analysis: high JI may indicate that substantial sources of supply exist outside of formal vocational education. Possible response: review placement rates. High placement rates may indicate that vocational completers have a decided advantage over other entrants to the occupation. Low rates may suggest that vocational education is not the most appropriate form of training for this occupation.

DIETETIC AIDE/ASSISTING (20.0404), offered in Maine at the postsecondary level (one site), crosswalks to the OES occupation Dietetic Technician (10121011) through the MOICC Unit of Analysis 023--Dietetic Aide. UA 023 exhibits very low AAO (9), and an unfavorable s/d ratio even at that level (approximately 2 to 1). However, its Jobless Index is relatively low (3.7). Analysis: possible explanations for the discrepancy between the s/o ratio and the JI include significant out-migration of program completers to other states and enrollment of program completers in baccalaureate-level dietitian programs. Possible response: review placement rates and other indicators of program quality to determine if enrollments should be maintained at current levels or subsumed into FOOD PRODUCTION, MANAGEMENT, AND SERVICES, GENERAL.

OCEANOGRAPHIC (BIOLOGICAL) TECHNOLOGY (41.0102), offered in Maine at the postsecondary level (one site), is not currently included in the MOICC OIS because all of the demand data is rolled up in residual OES categories (All Other Engineering Technicians--10081898--and All Other Science Technicians--10081899). The same is true of a companion program, OCEANOGRAPHIC (PHYSICAL) TECHNOLOGY (41.0305), offered at the same site (SMVTI). Possible response: request DOL's Bureau of Economic Analysis and Research to modify OES Survey to isolate demand data for oceanographic technologists and technicians.

LAW ENFORCEMENT (43.0107), a trade and industry program offered in Maine at the postsecondary level (one site), crosswalks to three OES occupations--Police Patrolmen/Women (70101006); Parking Enforcement Officer (70101007); and, Sheriff (70101201)--through the MOICC Unit of Analysis 142--Law Enforcement. UA 142 also incorporates one technical program--CRIMINAL JUSTICE TECHNOLOGY (43.0105)--and one baccalaureate-level program--CRIMINAL JUSTICE STUDIES (43.0104)--both offered in Maine through the higher education community. However, two OES occupations crosswalked to these programs by Vocational Preparation and Occupations--Police Officer (70101004) and Police Detective (70101005)--are not included. UA 142 exhibits a favorable s/d ratio (approximately 1 to 1.5) and a reasonably high AAO (113). Its Jobless Index is also quite low (2.1) Analysis: inclusion of 70101004 and 70101005 would further improve the s/d ratio. Possible response: review placement rates and other indicators of program quality to determine if a modest increase in enrollment levels might be appropriate. Additional response: any unresolved issues might justify skill survey (workforce needs assessment) of the law enforcement community.

FIRE CONTROL AND SAFETY TECHNOLOGY (43.0201), a technical program offered in Maine at the postsecondary level (one site), is crosswalked to the OES occupation Fire Fighter (70100401) through the MOICC Unit of Analysis 139--Firefighters. UA 139 also includes FIREFIGHTING (43.0203), a trade and industry program offered at the same site (SMVTI). This UA exhibits a low AAO (28), but also a very favorable s/d ratio at this level (approximately 1 to 9). Its Jobless Index is also very low (1.5). Possible response: conduct skill survey of fire control community statewide to provide an empirical test of projected supply/demand imbalance; if survey confirms labor shortage, consider modest increase in enrollment levels.

BRICK, BLOCK, AND STONEMASONRY (46.0102), offered in Maine at both the secondary and postsecondary levels (4 sites), crosswalks to the OES occupation Bricklayer (50020601) through the MOICC Unit of Analysis 062--Bricklayer. UA 062 exhibits a modest AAO (23), but a relatively favorable s/d ratio (1 to 1.4) at that level. However, its Jobless Index is very high (13.2). Analysis: high JI may indicate that substantial sources of supply exist outside of formal vocational education. Possible response: review placement rates. High placement rates may indicate that vocational completers have a decided advantage over other entrants to the occupation. Low rates may suggest that vocational education is not the most appropriate form of training for this occupation.

CARPENTRY (46.0201), offered in Maine at both the secondary and the postsecondary levels (30 sites), is crosswalked to the OES occupations Carpenter (50020201) and Shipwright (50020204) through the MOICC Unit of Analysis 061--Carpenters. UA 061 exhibits a very high AAO (577) and very rapid employment growth over the last six years (almost 66%). However, its s/d ratio is virtually balanced (approximately 1 to 1.1). In addition, its Jobless Index is also very high (12.8). Analysis: true level of demand for carpenters is difficult to measure accurately, due to large numbers of self-employed and part-time carpenters, some significant percentage of whom may be working "off the books." Some carpentry students at the secondary level enroll in post-secondary building technology programs, and some associate degree building technology students enroll in baccalaureate-level civil engineering or architecture programs. At the same time, substantial sources of supply may exist outside formal vocational education. Possible response: review placement rates and other indicators of program quality to determine whether enrollment should be maintained at current levels or slightly decreased.

CARPENTRY, SHIP (46.0299) is a postsecondary wooden boat-building program at WCVTI. A specialized carpentry program, it crosswalks to the DOT occupation Boatbuilder, Wood (860.381-018). Although this occupation enjoys a unique, individual supply/demand outlook in the Maine labor market, specific demand data for ship carpenters and wooden boatbuilders is not available separate from the demand for carpenters in general. Possible response: request DOL's Bureau of Economic Research and Analysis

to modify the OES survey to isolate demand data for these occupations. Alternate response: conduct skill survey of small boatyards throughout the state to evaluate level of demand for this program. The high placement rates and high quality of the WCVTI boatbuilding program are already well established, and increased enrollment levels may be warranted.

ELECTRICIAN (46.0302), offered in Maine at both the postsecondary and the secondary levels (17 sites), crosswalks to the OES occupation Electrician (50021401) through the MOICC Unit of Analysis 065--Electricians. UA 065 exhibits a favorable s/d ratio (1 to 1.5) and a relatively high AAO (208), although its Jobless Index is also significant (8.3). Possible response: unless placement rates or other indicators of program quality indicate otherwise, maintain enrollments at existing levels.

BUILDING MAINTENANCE (46.0401), offered in Maine at the secondary level (one site), crosswalks to the OES occupation Maintenance Repairer, General Utility (50144821) (as well as to two mobile home set-up and maintenance occupations) through the MOICC Unit of Analysis 111--Building Maintenance. UA 111 exhibits a very favorable s/d ratio (1 to 11.5), a high AAO (230), and a relatively low Jobless Index (5). Possible response: review placement rates and other indicators of program quality to determine if an enrollment increase or implementation at additional sites might be warranted. Note: the basis for the termination of the program at Region 4 after the 1984-85 school year should be factored into the review process.

PAINTING AND DECORATING (46.0408), offered in Maine at the postsecondary level (one site), crosswalks to the OES occupations Painter, Maintenance (50022200) and Paperhanger (50022600) through the MOICC Unit of Analysis 066-Painters, Maintenance. UA 66 exhibits an extremely favorable s/d ratio, a high AAO (171), and very rapid employment growth over the last six years (over 75%). However, its Jobless Index is also very high (almost 15). Analysis: the s/d information for this UA is not really relevant to the actual program in question, although all the coding is correct in formal terms. WCVTI's Marine Trades Center offers an advanced Marine Painting program, which in fact offers broad training in industrial coatings that meets or even defines the state-of-the-art. This program formally prepares students for work as shipyard painters (DOT 840.381-018), which does indeed crosswalk to both the vocational program PAINTING AND DECORATING and the OES occupation Painter, Maintenance. But completers of this program are unlikely to enter the labor market as maintenance painters or paperhangers; ample opportunities are available at higher levels of pay for shipyard painters and industrial coating technicians. The high JI for UA 066 suggests that substantial sources of supply for maintenance papers and paperhangers exist outside of formal vocational education. Possible response: review levels of demand for completers of Marine Painting with a broad spectrum of industry representatives to determine if enrollment should be maintained at current levels or increased.

PLUMBING (46.0503), offered in Maine at both the secondary and the postsecondary levels (5 sites), crosswalks to the OES occupations Plumber and/or Pipefitter (50023203) and Pipelayer (80000609) through the MOICC Unit of Analysis 068--Plumbers and/or Pipefitters. UA 068 exhibits a very favorable s/d ratio (1 to 4), a high AAO (168), steady employment growth (over 26%), and a low Jobless Index (3.6). Possible response: review placement rates and other indicators of program quality to determine if enrollment increases or implementation at additional sites might be warranted. Note: the basis for the termination of the programs at Bath and Waterville after the 1983-84 school year should be factored into the review process.

COMMUNICATIONS ELECTRONICS (47.0103), offered in Maine at both the secondary and the postsecondary levels (six sites), crosswalks to six OES occupations--including: Television Servicer (50082600); Installers and Repairers, Telephone (50121002); and Wirer, Electronic (61080415)--through the MOICC Unit of Analysis 095--Communications Electronics. UA 095 exhibits an unfavorable s/d ratio (approximately 2 to 1), low AAO (33), and an outright employment decline over the last six years of over 3%. At the same time, its Jobless Index is only 2.3. Analysis: increasing modularity of consumer electronics equipment has reduced demand for installers and repairers despite steadily rising sales; many minor repairs can be made by only minimally-trained technicians or even by consumers themselves, while it is often cheaper to buy new equipment rather than make major repairs. Low JI despite falling employment levels and an annual excess of supply over demand may indicate that many trained workers have left the occupation in search of work in another field. Possible response: review placement rates, occupational mobility rates, and other indicators of program quality to determine if a decrease in enrollment levels is warranted, or possibly conversion of certain programs to INDUSTRIAL ELECTRONICS (47.0105) (see below).

COMPUTER ELECTRONICS (47.0104), offered in Maine at the postsecondary level (one site), crosswalks to the OES occupation Data Processing Machine Mechanics (50081400), among others, but is not currently included in a MOICC Unit of Analysis. Response: request definition of a new UA.

INDUSTRIAL ELECTRONICS (47.0105), offered in Maine at the postsecondary level (3 sites), crosswalks to the OES residual category All Other Engineering Technicians (10081898) through the MOICC Unit of Analysis 005--Industrial Engineering Technician. UA 005--which also includes a baccalaureate-level program in INDUSTRIAL TECHNOLOGY (15.0603) offered through the higher education community--exhibits a very favorable s/d ratio (1 to 4), a high AAO (327), steady employment growth (over 13%), and an extremely low Jobless Index (.8). Possible response: review placement rates and other measures of program quality to determine if an increase in enrollments is warranted, or possibly the conversion of new INDUSTRIAL ELECTRONICS programs from existing CONSUMER ELECTRONICS programs.

HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS, GENERAL (47.0201) and two component programs, COOLING AND REFRIGERATION (47.0202) and HEATING AND AIR CONDITIONING (47.0203), offered in Maine at both the secondary and post-secondary levels (7 sites total), all crosswalk to the OES occupation Refrigeration and Air Conditioning Mechanics (50080201) through the MOICC Unit of Analysis 075--Heating/Cooling/Air Conditioning. UA 075 exhibits an slightly unfavorable s/d ratio (1.2 to 1), a modest AAO (42), and a high Jobless Index (14), despite rapid employment growth over the last six years (over 48%). Possible response: review placement rates and other indicators of program quality to determine if a decrease in enrollment levels is warranted.

Maine at both the postsecondary and secondary levels (8 sites), crosswalks to the OES occupation Engineering Equipment Mechanic (50081803) through the MOICC Unit of Analysis 079--Diesel and Heavy Equipment Mechanics. UA 079 also includes the program DIESEL ENGINE MECHANICS (47.0605), also offered in Maine at both the secondary and postsecondary levels (3 sites), which crosswalks to the OES occupation Diesel Mechanics (50083222). This UA exhibits a very unfavorable s/d ratio (2 to 1), a modest AAO (42), and a fairly high Jobless Index (10.1), despite relatively strong employment growth over the last six years (over 30%). Possible response: review placement rates and other measures of program quality to determine if a decrease in enrollment levels is warranted.

MAINTENANCE MECHANICS (47.0303), offered in Maine at the secondary level (one site), crosswalks to five OES occupations--including: Millwright (50061600); Mechanic, Maintenance (50081807); and, Oiler (61084000)--through the MOICC Unit of Analysis 082--Maintenance Mechanics. UA 082 exhibits a very favorable s/d ratio (approximately 1 to 8) and a fairly high AAO (118), despite a slight decline in employment over the last six years. No Jobless Index is available. Possible response: review placement rates and other indicators of program quality to determine if a modest increase in enrollment or implementation at additional sites is warranted.

AUTOMOTIVE BODY REPAIR (47.0603), offered in Maine at both the secondary and postsecondary levels (10 sites), crosswalks to the OES occupation Painter, Automotive (61084201) through the MOICC Unit of Analysis 076--Auto Body Repair. UA 076 exhibits an unfavorable s/d ratio (almost 1.7 to 1), a relatively modest AAO (53), and a relatively high Jobless Index (7.1), despite rapid employment growth over the last six years (almost 50%). Possible response: review placement rates and other measures of program quality to determine if a decrease in enrollment levels is warranted.

AUTOMOTIVE MECHANICS (47.0604), offered in Maine at both the secondary and postsecondary levels (26 sites), crosswalks to the OES occupation Mechanics, Automotive (50081001) through the MOICC Unit of Analysis 077--Automotive Mechanics. UA 077 exhibits an

unfavorable s/d ratio (almost 1.4 to 1), despite a very high AAO (289), a relatively modest Jobless Index (5.3), and relatively rapid employment growth (almost 30%). Analysis: long-term employment prospects for automotive mechanics are difficult to project with a high degree of confidence since automobile technology is changing so rapidly. Possible response: review placement rates and other measures of program quality to determine if a decrease in enrollment levels is warranted.

DIESEL ENGINE MECHANICS (47.0605), offered in Maine at both the secondary and postsecondary levels (3 sites), crosswalks to the OES occupation Diesel Mechanics (50083222) through the MOICC Unit of Analysis 079--Diesel and Heavy Equipment Mechanics. UA 079 also includes the program HEAVY EQUIPMENT MAINTENANCE AND REPAIR (47.0302), also offered in Maine at both the postsecondary and secondary levels (8 sites), which crosswalks to the OES occupation Engineering Equipment Mechanic (50081803). This UA exhibits a very unfavorable s/d ratio (2 to 1), a modest AAO (42), and a fairly high Jobless Index (10.1), despite relatively strong employment growth over the last six years (over 30%). Possible response: review placement rates and other measures of program quality to determine if a decrease in enrollment levels is warranted.

SMALL ENGINE REPAIR (47.0606), offered in Maine at the secondary level (5 sites), crosswalks to the OES occupation Gasoline Engine and Mower Repairers (50083207), among others, but is not currently included in a MOICC Unit of Analysis because a significant portion of the demand is rolled up in the OES residual category All Other Mechanics and Repairers (50083299). Possible response: Request DOL's Division of Economic Analysis and Research to expedite conversion of the OES Survey to the new SOC-based occupational framework, which will disaggregate many of the residual categories in the current survey and provide specific demand data on Small Engine Repairers (Soc 6114).

DRAFTING, GENERAL (48.0101), offered in Maine at the secondary level only (10 sites), crosswalks to the OES occupations Drafter (10080601) and Surveyor (10081600) through the MOICC Unit of Analysis 001--Drafting. Also incorporated in UA 001 are two component programs, one offered in Maine at the postsecondary level only--MECHANICAL DRAFTING (48.0105) (one site)--and one offered at both the secondary and the postsecondary levels--ARCHITECTURAL DRAFTING (48.0102)(3 sites). ARCHITECTURAL DESIGN AND CONSTRUCTION TECHNOLOGY (15.0101), offered in Maine at the postsecondary level only (one site), is also included in UA 001, as are one program offered through the higher education community--CIVIL TECHNOLOGY (15.0201)--and several programs not currently offered in Maine--including: DRAFTING AND DESIGN TECHNOLOGY (15.0202); SURVEYING AND MAPPING TECHNOLOGY (15.0203); CIVIL AND STRUCTURAL DRAFTING (48.0103); and ELECTRONIC DRAFTING (48.0104). This UA exhibits a very unfavorable s/d ratio (over 3 to 1), a modest AAO (53), and a fairly high Jobless Index (5.9). During the last six years, this UA experienced rapid employment growth (almost 40%), but the

occupation of drafter is now undergoing rapid change due to the impact of electronic technology. Possible response: review placement rates and other measures of program quality to determine if a decrease in enrollment levels might be warranted.

GRAPHIC AND PRINTING COMMUNICATIONS, GENERAL (48.0201), offered in Maine at both the secondary and postsecondary levels (8 sites), crosswalks to a total of 9 different OES occupations--including: Proofreaders (40064400); Compositors and/or Typesetters (50100401); Stripper (50101001); Camera Operator, Printing (50101002); Photoengraver (50101003); Press Operator (50101201); Offset Lithographic Press Operator (50101202); Platemaker (50101203); and, Letter Press Operators (50101207)--through MOICC Unit of Analysis 092--Lithography/Photography/Printing. [Note: incorporates MOICC Unit of Analysis 093--Press Operators]. Combined with UA 093, UA 092 exhibits a virtual supply/demand balance, a modest AAO (115), rapid employment growth over the last six years, and a low Jobless Index (3.4). Analysis: rapid technological changes, particularly the growth of desktop publishing and computer-based laser typesetting, make long-term projections of occupational demand for printing trades very difficult. Possible response: maintain enrollments at current levels.

COMMERCIAL ART (48.0203), offered in Maine at the secondary level (one site), crosswalks to the OES occupations Designer (10221001), Commercial Artist (10221601), and Decorator, Hand (61084204) through the MOICC Unit of Analysis 030--Designers. UA 030 also includes two other vocational programs not currently offered in the state of Maine--INTERIOR DESIGN (04.0501) and HOME DECORATING (20.0505)--one baccalaureate-level program offered in Maine through the higher education community--PAINTING (50.0708)--and two other baccalaureate-level programs not currently offered in the state--CERAMICS (50.0202) and SCULPTURE (50.0709). UA 030 exhibits a very favorable s/d ratio (approximately 1 to 4) with a fairly high AAO (69) but also a fairly high Jobless Index (6.4). Analysis: supply/demand levels for graphic designers, commercial artists, and fine artists are difficult to measure, let alone project, due to high levels of part-time work, free lance work and self-employment. Possible response: maintain enrollment at existing levels.

MACHINE TOOL OPERATION/MACHINE SHOP (48.0503), offered in Maine at both the secondary and post-secondary levels (12 sites), crosswalks to a total of 16 different OES occupations--including: Machinist (50061206); Drill-Press Operator (61020201); Electroplater (61021201); Machine Tool Operator, Numerical Control (61021403); Filers, Grinders, Buffers, and Chippers (61082401); and, Sawyer, Metal (61085013)--through the MOICC Unit of Analysis 071--Machine Tool Operation/Machine Shop. UA 071 exhibits a favorable s/d ratio (1 to 1.5) and a very high AAO (250), although employment growth has been very slow (6%) and its

Jobless Index is fairly high (10.1). Analysis: high unemployment despite a projected annual excess of demand over supply may indicate significant numbers of completers of other programs are entering the labor market in the occupations crosswalked to UA 071. Coding and program descriptions suggest substantial overlap between MACHINE TOOL OPERATION/MACHINE SHOP (48.0503), METAL FABRICATION (48.0504), SHEET METAL (48.0506), and WELDING, BRAZING, AND SOLDERING (48.0508). Possible response: review the curricula, objectives, and placement rates and other indicators of program quality of the several metal-working programs for possible redefinition, reorganization, or consolidation.

METAL FABRICATION (48.0504), offered in Maine at both the secondary and postsecondary level (five sites), crosswalks to four OES occupations--including: Power-Press Tender (61021604); Power Brake, Bending Machine Operator, Metal (61021609); and, Riveter, Light (61084606)--through the MOICC Unit of Analysis 114--Metal Fabrication. UA 114 exhibits an unfavorable s/d ratio (1.75 to 1) and a very low AAO (28), although its Jobless Index is also relatively low (3.9). Analysis: low unemployment despite a projected annual excess of supply over demand may indicate significant numbers of completers of this program may be entering the labor market in other occupations. Coding and program descriptions suggest substantial overlap between MACHINE TOOL OPERATION/MACHINE SHOP (48.0503), METAL FABRICATION (48.0504), SHEET METAL (48.0506), and WELDING, BRAZING, AND SOLDERING (48.0508). Possible response: review the curricula, objectives, and placement rates and other indicators of program quality of the several metal-working programs for possible redefinition, reorganization, or consolidation.

SHEET METAL (48.0506), offered in Maine at both the secondary and postsecondary levels (3 sites), crosswalks to the OES occupations Sheet Metal Worker (50062600) and Shear/Slitter Operator, Metal (61081459) through the MOICC Unit of Analysis 073--Sheetmetal Workers. UA 073 exhibits a very favorable s/d ratio (approximately 1 to 4), but also a modest AAO (43) and a very high Jobless Index (13.2). Analysis: high unemployment despite a projected annual excess of demand over supply may indicate significant numbers of completers of other programs are entering the labor market in the occupations crosswalked to UA 073. Coding and program descriptions suggest substantial overlap between MACHINE TOOL OPERATION/MACHINE SHOP (48.0503), METAL FABRICATION (48.0504), SHEET METAL (48.0506), and WELDING, BRAZING, AND SOLDERING (48.0508). Possible response: review the curricula, objectives, and placement rates and other indicators of program quality of the several metal-working programs for possible redefinition, reorganization, or consolidation.

TOOL AND DIE MAKING (48.0507), offered in Maine at the postsecondary level (one site), crosswalks to the OES occupation Tool and Die Maker (50063001) through the MOICC Unit of Analysis 074--Tool and Die Making. UA 074 exhibits a favorable s/d ratio (approximately 1 to 2.4) but also a low AAO (34) and a sharp

employment decline (almost 14%) over the last six years. No Jobless Index is available. Possible response: maintain enrollment at existing levels.

WELDING, BRAZING, AND SOLDERING (48.0508), offered in Maine at both the secondary and postsecondary levels (13 sites), crosswalks to the OES occupation Welders and Flamecutters (61022002) through the MOICC Unit of Analysis 115--Welders and Flamecutters. UA 115 also includes the program WELDING TECHNOLOGY (15.0610), offered in Maine at the postsecondary level (one site). This UA exhibits a fairly large AAO (118), but also an unfavorable s/d ratio (over 1.5 to 1) and a very high Jobless Index (14.5). Possible response: review placement rates and other indicators of program quality to determine if a decrease in enrollments is warranted.

CONSTRUCTION EQUIPMENT OPERATION (49.0202), offered in Maine at the secondary level (one site), crosswalks to the OES occupations Heavy Equipment Operator (50021807), Crane, Derrick, and Hoist Operator (50140801), Driller, Machine (61081804), and Rigger (80002822) through the MOICC Unit of Analysis 099--Heavy Equipment Operators. UA 099 exhibits an extremely favorable s/d ratio (approximately 1 to 16) and a large AAO (115). No Jobless Index is available. Possible response: review placement rates and other indicators of program quality to determine if an increased level of enrollment or implementation at additional sites is warranted.

TRUCK AND BUS DRIVING (49.0205), offered in Maine at the secondary level (4 sites), crosswalks to the OES occupations Bus Driver (62000401), Bus Driver, School (62000402), and Truck Driver, Heavy (62002201) through the MOICC Unit of Analysis 126--Truck/Bus Drivers. UA 126 exhibits a very favorable s/d ratio (approximately 1 to 6), a very high AAO (398), and a modest Jobless Index (6.5). Possible response: review placement rates and other indicators of program quality to determine if an increased level of enrollment or implementation at additional sites is warranted.

WATER TRANSPORTATION, GENERAL (49.0301), offered in Maine at the postsecondary level (one site), crosswalks to a number of OES occupations--including Captains, Water Vessel (20060801), Pilots, Ship (20060802), Ship Engineers (50144026), Boatswain [sic--i.e., Boat Supervisor] (61084801), Able Seaman [sic--i.e., Able Seafarer] (61084802), and Ordinary Seaman [sic--i.e., Ordinary Seafarer] (61084803)--but has not been incorporated into a MOICC Unit of Analysis. Possible response: request definition of a new UA, possibly including COMMERCIAL FISHING OPERATION (49.0303).

COMMERCIAL FISHING OPERATION (49.0303), offered in Maine at both the secondary and postsecondary levels (5 sites), crosswalks to the OES occupation Captains, Water Vessel (20060801)--but has not been incorporated into a MOICC Unit of Analysis. Possible response: request definition of a new UA, possibly including WATER TRANSPORTATION, GENERAL (49.0301).

Programs Not Currently Offered by Secondary Vocational Regions and Centers or Postsecondary Vocational-Technical Institutes, Which Are Incorporated Into a MOICC Unit of Analysis, and Have Projected Average Annual Openings of At Least Sixty

MACHINE BILLING, BOOKKEEPING, AND COMPUTING (07.0104) crosswalks to five OES occupations--including: Bookkeeping/Billing Machine Operator (40040201); Proof Machine Operator (40040202); and, Sorting Clerk, Bank (40066844)--through MOICC Unit of Analysis 046--Office Machine Operators. UA 046--which also incorporates the program DUPLICATING MACHINE OPERATOR (07.0704)--exhibits an AAO of 96. However, note that rapid technological change may call into question long-term demand projections for these occupations.

INSURANCE CLERK (07.0203) crosswalks to the OES occupation Insurance Clerk (40066845) and five closely related occupations through the MOICC Unit of Analysis 058--Insurance Clerk. UA 058 exhibits an AAO of 91.

PERSONNEL ASSISTING (07.0503) crosswalks to the OES occupations Personnel and Labor Relations Specialist (10242802, Personnel Clerk (40062602), and Admissions Evaluator (40062603) through the MOICC Unit of Analysis 035--Personnel and Labor Relations Specialist. UA 035 exhibits an AAO of 62.

MAIL AND ORDER CLERK (07.0706) crosswalks to the OES occupations Order Clerks (40061604), Circulation Clerks (40061605), and Telephone Ad Takers, Newspaper (40061607) through the MOICC Unit of Analysis 054--Order Clerks. UA 054 exhibits an AAO of 77.

RECEPTIONIST AND COMMUNICATION SYSTEMS OPERATION (07.0707) crosswalks to seven OES occupations--including: Receptionist (40064802); Switchboard Operator (40066201); and, Dispatchers, Police, Fire, Ambulance (40061803)--through the MOICC Unit of Analysis 056--Receptionist and Communication Systems Operation. UA 056 exhibits an AAO of 277.

PURCHASING (08.0704) crosswalks to the OES occupations Purchasing Agent and/or Buyer (10240801) and Buyers, Retail and/or Wholesale Trade (10240801) through the MOICC Unit of Analysis 033--Buyers/Purchasers. UA 033 exhibits an AAO of 135.

SALES (08.0706) crosswalks to four OES occupations--Sales Clerks (30001802); Cashiers (40060800); Delivery and Route Workers (62000801); and, Stock Clerk, Sales Floor (80002003)--through the MOICC Unit of Analysis 042--Sales Clerks. UA 042 exhibits an AAO of 1990. However, note that many completers of RETAILING (08.0705) may actually seek work as Sales Clerks, rather than as Merchandise Managers. In addition, substantial sources of supply for retail sales occupations exist outside of formal vocational education.

WAITER/WAITRESS AND RELATED SERVICES (08.0905) crosswalks to the OES occupation Waiter or Waitress (70041602) through the MOICC Unit of Analysis 131--Waiters/Waitresses. UA 131 exhibits an AAO of 438. However, note that substantial sources of supply for restaurant serving occupations exist outside of formal vocational education.

INSURANCE MARKETING, GENERAL (08.1001) crosswalks to the OES occupations Sales Agent, Insurance (30001005) and Claim Examiner, Insurance (40062801) through the MOICC Unit of Analysis 038--Sales, Insurance. UA 38 exhibits an AAO of 128.

DRY CLEANING AND LAUNDERING SERVICES, GENERAL (12.0101) crosswalks to a total of ten different OES occupations--including: Presser, Hand (61081201); Presser, Machine (61081202); Washers, Machine and/or Starchers (61082804); Tumbler Operators (61082805); Dry-cleaning Machine Operators (61082806); and, Laundry Operators, Small Establishment (61082809)--through the MOICC Unit of Analysis 117--Garment Cleaning and Maintenance. UA 117--which also incorporates the program CLOTHING MAINTENANCE AIDE (20.0302)--exhibits an AAO of 90.

BARBERING (12.0402) crosswalks to the OES occupation Barber (70080616) through the MOICC Unit of Analysis 136--Barbers. UA 136 exhibits an AAO of 66.

COSMETOLOGY (12.0403) crosswalks to the OES occupation Cosmetologist and/or Hair Stylist (70082001) through the MOICC Unit of Analysis 138--Cosmetology. UA 138 exhibits an AAO of 220.

MENTAL HEALTH/HUMAN SERVICES ASSISTING (17.0405) crosswalks to the OES occupations Psychiatric Aide (70061011) and Social Service Aide (70083000) through the MOICC Unit of Analysis 133--Psychiatric Aides. UA 133 exhibits an AAO of 68.

COMMERCIAL GARMENT AND APPAREL CONSTRUCTION (20.0303) crosswalks to four closely related OES occupations--including Sewing Machine Operator (61085219)--through the MOICC Unit of Analysis 121--Garment Construction. UA 121 exhibits an AAO of 142.

BAKING (20.0402) crosswalks to a total of 8 different OES occupations--including: Baker (50140202); Cake Decorator (50140205); Doughnut Maker/Doughnut Machine Operator (61086258); Oven Operator (61086292); and, Baker Helper (61089003)--through the MOICC Unit of Analysis 096--Bakers. UA 096 exhibits an AAO of 79.

CUSTODIAL SERVICES (20.0604) crosswalks to the OES occupation Janitors, Porters, and Cleaners (70020600) through the MOICC Unit of Analysis 128--Custodial Workers. UA 128 exhibits an AAO of 1,255. However, note that there are substantial sources of supply of janitors, porters, and cleaners outside of formal vocational education.

LEGAL ASSISTING (22.0103) crosswalks to the OES occupations Law Clerk (10242201) and Paralegal Personnel (10242203) through the MOICC Unit of Analysis 034--Paralegal. UA 034 exhibits an AAO of 64.

SECURITY SERVICES (43.0109) crosswalks to four OES occupations--Guards and Doorkeepers (70100601), Correction Officers and/or Jailers (70100607); Store Detectives (70101002); and Bailiffs (70101202)--through the MOICC Unit of Analysis 140--Security Services. UA 140 exhibits an AAO of 444.

MILLWORK AND CABINET MAKING (48.0703) crosswalks to a total of 19 different OES occupations--including: Cabinetmaker (50140400); Veneer Grader (50144003); Lathe Operator, Wood (61021005); Wood Machinist (61021404); Nailing Machine Operators (61084602); Ripsaw Operator (61085012); and, Wood-working Machine Operator (61086818)--through the MOICC Unit of Analysis 097--Millwork/Cabinetmaking. UA 097 exhibits an AAO of 137.

MARINE MAINTENANCE (49.0306) crosswalks to four OES occupations--Marine Mechanics and Repairers (50081806); Shipfitter (50143400); Shiprigger (50144812); and, Boat Patcher, Plastic (61088615)--through the MOICC UNit of Analysis 081--Marine Maintenance. UA 081 exhibits an AAO of 62. However, note that WCVTI canceled a postsecondary Marine Maintenance program not quite two years ago.

UA/CIP	CLUSTER & PROGRAMS TITLES	COMPLETIONS P. SEC	SEC.	OTHER	SUP '87	DEM '87	RATIO '87	RATIO '84	JOBLESS INDEX '87	JOBLESS INDEX '84
032	Accountants/Auditors	197	0	4	201	212	0.94	0.46	3.3	5.0
060201	Accountants	157	0	1						
070101	Accounting General	23	0	2						
070102	Accounting Computing	17	0	1						
051	Accounting/Bookkeeping	0	69	8	77	589	0.13	0.11	5.2	7.6
070102	Accounting/Computing	0	69	0						
070103	Bookkeeping	0	0	8						
084	Appliance Repair	0	0	0	0	16	.00	2.5	3.6	7.4
076	Auto Body Repair	8	81	1	90	53	1.69	4.16	7.1	11.2
470603	Auto Body Repair	89	81	1						
077	Automotive Mechanics	51	336	11	398	289	1.37	1.97	5.3	7.0
470604	Auto Mechanics	51	336	11						
026	Air Traffic Contrlrs	0	0	0	0	0	.00			
072	Aircraft Mechncs & Related	0	0	0	0	16	.00			
025	Airplane Pilots	0	0	0	0	5	.00			
143	Animal Caretaking	13	0	0	13	26	.50			
170512	Vet Assisting	13	0	0						
052	Auto Rental Clerk	0	0	0	0	10	.00			
096	Bakers	0	0	0	0	79	.00			
136	Barbers	0	0	0	0	66	.00			
062	Bricklayer/Mason	8	8	0	16	23	.69	2.11	13.2	10.7
460102	Brick/Block/Stnmsnry	8	8	0						
111	Building Maintenance	0	2	18	20	230	.08	.52	5.0	5.8
460401	Building Maintenance	0	2	18						
049	Business Data Processing	0	218	9	227	38	5.97	7.07	4.9	9.5

UA/CIP	CLUSTER & PROGRAMS TITLES	COMPLETIONS P. SEC	SEC.	OTHER	SUP '87	DEM '87	RATIO '87	RATIO '84	JOBLESS INDEX '87	JOBLESS INDEX '84
070301	Business Data Processing-GE	0	31	0						
070303	Data Entry Eqpmt Opr	0	187	0						
070304	Peripheral Eqpmt Opr	0	0	9						
120	Butchers/Meatcutters	0	0	0	0	36	.00			
033	Buyers/Purchasers	0	0	0	0	135	.00			
061	Carpenters	84	230	8	322	577	.55	7.8	12.8	12.2
460201	Carpentry	84	230	8						
137	Child Care Assistants	0	77	0	77	193	.39	.70	N/A	14.9
200102	Child Development & Care	0	60	0						
200202	Child Care Aide/Asst	0	7	0						
055	Clerks & Related	0	15	8	23	992	.02	.02	9.1	12.3
070705	General Office Clerk	0	15	8						
047	Clerk, Transit	0	0	0	0	3	.00			
095	Communications Electronics	15	3	0	18	33	.54	1.02	2.3	3.4
470103	Communications Electronics	15	3	0						
048	Computer Operator	0	11	19	30	42	.71			
070302	Business Computer Operator	0	11	19						
028	Computer Programming	169	0	0	169	35	4.82	5.96	4.5	7.2
070305	Business Data Programming	33	0	0						
110101	Computer Science	111	0	0						
110201	Computer Programming	18	0	0						
110301	Data Processing	7	0	0						
130	Cooks/Chefs/Mgt	47	127	90	264	421	.62	.50	9.8	12.5
200401	Food Prod. Mgt. Service	31	127	0						
200403	Chef/Cook	16	0	90						
138	Cosmetology	0	0	7	7	220	.03			

UA/CIP	CLUSTER & PROGRAMS TITLES	COMPLETIONS P. SEC	SEC.	OTHER	SUP '87	DEM '87	RATIO '87	RATIO '84	JOBLESS INDEX '87	JOBLESS INDEX '84
120403	Cosmetology	0	0	7						
091	Court Reporting	6	0	0	6	6	1.00			
070602	Court Reporting	6	0	0						
060	Credit Clerks/BK & Ins				1	19	.05			
128	Custodial Workers	0	0	50	50	1255	.03			
123	Dairy Processing				0	2	.00			
015	Dental Assistant	8	0	2	10	30	.33			
170101	Dental Assisting	8	0	2						
101	Dental Lab Tech	0	0	0	0	8	.00			
030	Designers	8	10	0	18	69	.26	.27	6.4	10.6
480203	Commercial Art	0	10	0						
500708	Painting	8	0	0						
023	Dietetic Aide	17	0	0	17	9	1.88	1.81	3.7	3.0
200404	Dietetic Aide/Assist	17	0	0						
001	Drafting	49	126	0	175	53	3.30	2.21	5.9	10.9
150101	Arch Designing/Const TE	14	0	0						
150201	Civil Tech	14	0	0						
480101	Drafting General	15	118	0						
480102	Architectural Drafting	0	3	0						
480105	Mechanical Drafting	6	0	0						
480199	Drafting, Other	0	5	0						
079	Diesel/Hvy Equip. Mech	35	51	1	87	42	2.07	1.68	10.1	8.1
470302	Hvy Eqpmnt Maint/Rep.	20	26	0						
470605	Diesel Engine Mechanic	15	25	1						
118	Drywall Applicators	0	0	0	0	9	.00			
078	EDP Machine Mechanics	0	0	0	0	8	.00			

UA/CIP	CLUSTER & PROGRAMS TITLES	COMPLETIONS P. SEC	SEC.	OTHER	SUP '87	DEM '87	RATIO '87	RATIO '84	JOBLESS INDEX '87	JOBLESS INDEX '84
019	EKG Technology	0	0	0	0	5	.00			
003	Elctrl/Elctrn Tech	75	0	2	77	87	.88	1.30	2.2	3.4
150302	Electrical Tech	41	0	0						
150303	Electronic Tech	34	0	2						
088	Electronic Inst. Repair	0	54	0	54	12	4.50	7.33	0.4	N/A
470101	Elect/Electronic Repair	0	54	0						
065	Electricians	32	74	4	110	208	.52	.86	8.3	5.5
460302	Electrician	32	74	4						
020	Emergency Med Tech	3	0	0	3	42	.07			
170206	EM MED Tech-Paramedic	3	0	0						
146	Farmers/Ownrs/Mgrs	0	0	1	N/A	N/A	N/A	.01	N/A	N/A
020403	Horticulture Science	0	0	1						
139	Firefighters	3	0	0	3	28	.10	.03	1.5	N/A
430201	Fire Technicians	3	0	0						
141	Fish & Game Wardens	31	0	0	31	10	3.10			
030301	Fishing & Fisheries	2	0	0						
030601	Wildlife Management	29	0	0						
098	Floor Covering	0	0	0	0	11	.00			
129	Food Service Workers	15	45	14	74	889	.08	.08	6.5	9.8
200406	Food Service	15	45	14						
145	Forest Conservation Aide	2	0	0	2	6	.33			
030201	Conservation and Reg. General	2	0	0						
104	Forest Prods Utilztn	56	0	0	56	18	3.11			
030501	Forestry	56	0	0						
113	Foundry/Metal Working				0	3	.00			
102	Furniture Finishers	0	0	0	0	5	.00			

UA/CIP	CLUSTER & PROGRAMS TITLES	COMPLETIONS P. SEC	SEC.	OTHER	SUP '87	DEM '87	RATIO '87	RATIO '84	JOBLESS INDEX '87	JOBLESS INDEX '84
110	Furniture Upholstrng	0	0	0	0	28	.00			
144	Gardening/Groundskeeping	13	21	1	35	210	.16	.14	24.1	7.7
010601	Horticulture	8	21	0						
010605	Landscaping	5	0	1						
117	Garment Cleaning/Mnt	0	0	0	0	90	.00			
121	Garment Construction	0	0	0	0	142	.00			
090	Garment Maker	0	0	0	0	34	.00			
103	Glaziers	0	0	0	0	18	.00			
075	Heating/Cooling/Air Cond.	24	26	1	51	42	1.21	2.52	14.0	5.0
470201	Heating Air Cond.	5	26	0						
470202	Cooling/Refrig.	12	0	1						
470203	Heating/Air Cond.	7	0	0						
099	Heavy Equipment Opers	0	6	1	7	115	.06			
490202	Construction Equip. Opers	0	0	1						
490299	Vehicle & Equip. Opers	0	6	0						
014	Histology	0	0	0	0	1	.00			
053	Hotel/Motel Desk Clerks	0	0	10	10	40	.25			
080902	MKT Hotel/Motel SVCS	0	0	10						
135	Housekeepers, Hotels	0	0	0	0	37	.00			
005	Industrial Elect. Tech.	81	0	0	81	327	.00	3.6	.8	2.4
150603	Industrial Tech.	56	0	0						
460201	Carpentry	5	0	0						
470105	Industrial Electronics	20	0	0						
127	Industrial Truck Operator	0	0	0	0	20	.00			
010	Inhalation Therapy	15	0	4	19	7	2.71	2.11	1.8	8.1
170210	Respiratory Therapy	15	0	4						

UA/CIP	CLUSTER & PROGRAMS TITLES	COMPLETIONS P. SEC	SEC.	OTHER	SUP '87	DEM '87	RATIO '87	RATIO '84	JOBLESS INDEX '87	JOBLESS INDEX '84
116	Insulation Worker	0	0	0	0	17	.00			
058	Insurance Clerk	0	0	2	2	91	.02			
105	Jewelry Design/Repair	0	0	0	0	14	.00			
142	Law Enforcement	73	0	0	73	113	.64	.28	2.1	2.0
430104	Criminal Justice	18	0	0						
430105	Criminal Justice	22	0	0						
430107	Law Enforcement	33	0	0						
027	Librarians & Related	0	0	0	0	33	.00			
022	Licensed Practical Nurse	129	0	4	133	183	.72	1.12	1.3	2.8
170605	Practical Nursing	129	0	4						
094	Lineworkers	0	36	0	36	39	.92			
460301	Elec. & Power Trans	36	0	0						
092	Litho/Photo/Printing	0	55	0	55	83	.66	1.73	4.7	3.7
480201	Graphic Arts	0	55	0						
063	Logging Operations	16	64	6	86	273	.31	.29	16.9	5.5
030401	Forestry Prod. Proc.	14	62	0						
030405	Logging	2	2	6						
071	Machine Tool OP/MA Shop	44	79	44	167	250	.66	.72	10.1	7.1
480503	Precision Metalwork	3	9	0						
480503	Machine Tool/Shop Operator	41	70	44						
082	Maintenance Mechanics	0	0	12	12	118	.10			
470303	Indust. Mach Maint/Repair	0	0	12						
037	Managers/Merchandise	50	8	0	58	63	.92	.61	.3	N/A
061401	Marketing Management	50	0	0						
080705	Retailing	0	8	0						
081	Marine Maintenance	0	0	0	0	62	.00	.5	4.5	11.5

UA/CIP	CLUSTER & PROGRAMS TITLES	COMPLETIONS P. SEC	SEC.	OTHER	SUP '87	DEM '87	RATIO '87	RATIO '84	JOBLESS INDEX '87	JOBLESS INDEX '84
064	Masons, Cement	0	0	0	0	14	.00			
004	Mechanical Enging Tech.	46	0	10	56	318	.66	19.0	22.9	25.9
150403	Electromechanical TE	22	0	10						
150805	Mech. Design Tech.	24	0	0						
134	Medical Assistants	26	0	4	30	40	.75	.75	4.5	8.0
170503	Medical Assisting	26	0	4						
013	Medical Lab Assist.	18	0	0	18	13	1.38	.83	4.6	6.9
170309	Medical Lab Tech.	18	0	0						
011	Medical Lab Technology	21	0	1	22	24	.91			
170310	Medical Techn	0	0	1						
180901	Medical Lab	21	0	0						
016	Medical Records Technicn	12	0	0	12	6	2.00			
170506	Medical Records Tech.	12	0	0						
100	Merchandise Display	0	0	0	0	7	.00			
114	Metal Fabrication	8	5	0	13	28	.46	.09	3.9	2.0
480504	Metal Fabrication	8	5	0						
012	Microbiology Technology	0	0	0	0	1	.00			
097	Millwork/Cabinet Makers	0	0	0	0	137	.00			
107	Motion Picture Projctnst				0	11	.00			
087	Motor Repair, Elect	0	0	0	0	15	.00			
112	Musical Instr Repair	0	0	0	0	3	.00			
132	Nurse Aides/Orderls	9	131	182	322	681	.47	.28	6.0	8.4
170602	Nursing Assist.	9	111	182						
170699	Nursing Related	0	20	0						
066	Nursing Professional	303	0	0	303	568	.53	.77	.5	1.4
181101	Nursing General	303	0	0						

UA/CIP	CLUSTER & PROGRAMS TITLES	COMPLETIONS P. SEC	SEC.	OTHER	SUP '87	DEM '87	RATIO '87	RATIO '84	JOBLESS INDEX '87	JOBLESS INDEX '84
007	Occupational Therapy	30	0	0	30	7	4.28			
170807	Occupational Therapy	30	0	0						
046	Office Machine Opers	0	0	3	3	96	.03			
085	Office Machine Repair	0	0	5	5	21	.23			
470102	Business Machine Repair	0	0	5						
108	Opticians/Tech.	0	0	0	0	11	.00			
054	Order Clerks	0	0	1	1	77	.01			
070706	Mail & Order Clerk	0	0	1						
066	Painters Maintenance	5	0	2	7	171	.04	.09	14.7	9.2
460408	Painting/Decorating	5	0	2						
034	Paralegal	8	0	1	9	64	.14			
220103	Legal Assisting	8	0	1						
035	Persnl/Labor Rel Spec.	0	0	0	0	62	.00			
021	Pharmacy Assistant	0	0	0	0	14	.00			
031	Photography Technology	7	0	0	7	44	.15			
500605	Photography	7	0	0						
008	Physical Therapy	44	0	0	44	14	3.14			
170813	Physical Therapy	44	0	0						
024	Physical Therapy Tech	0	0	0	0	6	.00			
067	Plastering				0	3	.00			
124	Plastics Operators	0	0	0	0	2	.00			
068	Plumbers/Pipefitters	30	9	3	42	168	.25	.35	3.6	3.2
460501	Plumbing/Pipefitters	18	0	1						
460503	Plumbing	12	9	2						
080	Power Generation Maintenance	0	0	0	0	58	.00	.20	7.1	5.5
093	Printing Press Operators	0	11	0	11	32	.34	.29	2.1	5.6

UA/CIP	CLUSTER & PROGRAMS TITLES	COMPLETIONS P. SEC	SEC.	OTHER	SUP '87	DEM '87	RATIO '87	RATIO '84	JOBLESS INDEX '87	JOBLESS INDEX '84
480208	Print Press Operations	0	11	0						
133	Psychiatric Aides	0	0	0	0	68	.00			
017	Radiologic Technology	13	0	0	13	34	.38	.96	0.6	0.9
170209	Radiograph MED Tech	11	0	0						
410204	Radiologic	2	0	0						
056	Receptionist & Communicatn	0	0	9	9	277	.03			
070707	Recept/Comm Syst. Operator	0	0	9						
036	Recreation Group	45	0	0	45	48	.93			
170816	Recreational Therapy	12	0	0						
310201	Recreation	7	0	0						
310301	Parks/Rec	26	0	0						
059	Reservation/Ticket Agent	0	0	1	1	9	.11			
081105	Travel SVCS Marketing	0	0	1						
069	Roofers	0	0	0	0	14	.00			
042	Sales Clerks	29	0	16	45	1990	.02			
080102	Fashion Merchandising	29	0	0						
080706	Sales	0	0	16						
040	Sales Finance	0	0	0	0	5	.00			
038	Sales Insurance	0	0	0	0	128	.00			
039	Sales, Real Estate	0	0	1	1	66	.01			
061701	Real Estate General	0	0	1						
041	Sales Securities	0	0	0	0	42	.00			
043	Secretaries	183	30	162	375	586	.63	.43	3.8	8.4
070601	Secretarial	90	30	72						
070603	Executive Sec.	12	0	0						
070604	Legal Secretarial	15	0	1						

UA/CIP	CLUSTER & PROGRAMS TITLES	COMPLETIONS P. SEC	SEC.	OTHER	SUP '87	DEM '87	RATIO '87	RATIO '84	JOBLESS INDEX '87	JOBLESS INDEX '84
070605	Medical Secretarial	3	0	1						
070606	Secretarial	63	0	88						
140	Security Services	0	0	13	13	444	.02			
073	Sheet Metal Workers	6	6	6	12	43	.27	.7	13.2	15.2
480506	Sheet Metal	6	6	6						
125	Silkscreen Making	0	0	0	0	1	.00			
002	Sound Recording/Prod.	0	0	0	0	2	.00			
009	Speech/Hearing Therapy	0	0	0	0	14	.00			
044	Stenographers	0	0	2	2	8	.25			
070607	Stenographic	0	0	2						
122	Stitching, Shoes	0	0	0	0	34	.00			
018	Surgical Technology	1	0	1	2	10	.20			
170211	Surgical Technician	1	0	1						
119	SVC Station Retailing	0	0	0	0	51	.00			
029	Systems Analysts	28	0	1	29	36	.80			
110501	Systems Analysis	28	0	1						
109	Tailoring	0	0	0	0	10	.00			
147	Teachers Aides	0	39	2	41	59	.69	1.05	6.9	6.2
200201	Child Care	0	39	0						
200205	Teacher Aide	0	0	2						
050	Tellers	0	0	6	6	175	.03			
070205	Teller	0	0	6						
070	Tile	0	0	0	0	3	.00			
074	Tool & Die Making	14	0	0	14	34	.41			
480507	Tool/Die Making	14	0	0						
057	Travel Assistance				0	3	.00			

UA/CIP	CLUSTER & PROGRAMS TITLES	COMPLETIONS P. SEC	SEC.	OTHER	SUP '87	DEM '87	RATIO '87	RATIO '84	JOBLESS INDEX '87	JOBLESS INDEX '84
083	Treatment Plant Mech	12	0	0	12	9	1.33	.61	4.1	6.3
150506	Wastewater Technology	12	0	0						
126	Truck/Bus Drivers	0	42	22	64	398	.16	.12	6.5	9.9
490205	Truck/Bus Driving	0	42	22						
045	Typists	0	26	14	40	135	.29	.65	6.2	9.8
070608	Word Processing	0	7	0						
070701	Clerk Typist	0	19	2						
070702	Clerk-Typist	0	0	8						
070710	Typing	0	0	4						
089	Vending/Rec Machine Repair	0	0	0	0	12	.00			
131 438 .00	Waiters/Waitresses	0	0	1	1					
080905	Waiter/Waitress Svcs	0	0	1						
106	Watch Repair				0	6	.00			
115	Welders/Flamecutters	72	97	13	182	118	1.54	1.48	14.5	15.4
480201	Graphic Arts	24	0	0						
480508	Welding/Blzng/Soldrng	0	97	13						

SECONDARY VOCATIONAL EDUCATION ENROLLMENT STATISTICS
BY PROGRAM AND FACILITY
PROGRAM YEAR 1987-1988

The following tables, adapted from the Maine Department of Educational and Cultural Services Management Information System Report ED744 (10/31/88), display total reported enrollment in secondary vocational education programs during the 1987-88 school year.

The first table is organized by **COURSE OF STUDY**, in alphabetical order, and by vocational **PROGRAM**, in Classification of Instructional Program (**CIP**) code order. The second is organized by vocational **FACILITY**: first the regional vocational centers, in alphabetical order, and then the Maine vocational regions, in numerical order.

The four vocational courses of study include:

1. General career preparation - **CAREER PREP** - including cooperative education, cluster programming, and school-to-work transition (STWT) programs;

2. Specific occupational preparation -**OCCU PREP** - organized into the seven major program **AREAS**: Agriculture/ Agribusiness & Natural Resources Education (**AAE**); Business & Office Education (**BOE**); Health Occupations Education (**HOE**); Home Economics Education (**HEE**); Marketing & Distributive Education (**MDE**); Technical Education (**TCE**); and Trade & Industrial Education (**TIE**);

3. Special preparation for handicapped students - **SPEC PREP** including diversified occupations and general trades programs; and,

4. Technical preparation - **TECH PREP** - including formal secondary/postsecondary articulation projects and other programs to prepare students for technical education at the postsecondary level.

Altogether, the two tables display the number of **MEN** enrolled, the number of **WOMEN** enrolled, the percentage of men (**% MEN**) and the percentage of women (**% WOMEN**), and the **TOTAL** enrollment for each program.

Also included are the local program **TITLE**, the most appropriate national **CIP TITLE**, the corresponding program/occupation **UNIT OF ANALYSIS** and **UA#** from the Occupational Information System (OIS) developed by the Maine Occupational Information Coordinating Committee (MOICC), and the total average annual openings (**AAO**) projected for the occupations included in each Unit of Analysis.

SECONDARY VOCATIONAL EDUCATION ENROLLMENT STATISTICS,
BY PROGRAM, STATE OF MAINE, PROGRAM YEAR 1987-1988

FACILITY	TITLE	CIP CODE	UNIT OF ANALYSIS	UA #	AAO	AREA	MEN	% MEN	WOMEN	% WOMEN	TOTAL
**COURSE OF STUDY: CAREER PREP											
*PROGRAM: ---											
AUGUSTA	Cooperative Education	---	---	---	---	---	75	57.25	56	42.75	131
BATH	Cooperative Education	---	---	---	---	---	10	62.50	6	37.50	16
BIDDEFORD	Cooperative Education	---	---	---	---	---	56	56.57	43	43.43	99
BRIDGTON	Cooperative Education	---	---	---	---	---	12	54.55	10	45.45	22
DEXTER	Cooperative Education	---	---	---	---	---	61	61.62	38	38.38	99
ELLSWORTH	Cooperative Education	---	---	---	---	---	18	58.06	13	41.94	31
FARMINGTON	Cooperative Education	---	---	---	---	---	13	59.09	9	40.91	22
LEWISTON	Cooperative Education	---	---	---	---	---	71	54.20	60	45.80	131
PORTLAND	Cooperative Education	---	---	---	---	---	71	43.03	94	56.97	165
SANFORD	Cooperative Education	---	---	---	---	---	102	56.35	79	43.65	181
SKOWHEGAN	Cooperative Education	---	---	---	---	---	31	52.54	28	47.46	59
WATERVILLE	Cooperative Education	---	---	---	---	---	8	44.44	10	55.56	18
WESTBROOK	Cooperative Education	---	---	---	---	---	85	64.39	47	35.61	132
REGION 2	Cooperative Education	---	---	---	---	---	11	47.83	12	52.17	23
REGION 3	Cooperative Education	---	---	---	---	---	24	64.86	13	35.14	37
REGION 4	Cooperative Education	---	---	---	---	---	72	47.06	81	52.94	153
REGION 8	Cooperative Education	---	---	---	---	---	44	47.83	48	52.17	92
REGION 10	Cooperative Education	---	---	---	---	---	0	**********	0	**********	0
REGION 11	Cooperative Education	---	---	---	---	---	5	83.33	1	16.67	6
* Subsubtotal *							769		648		1417
*PROGRAM: MARKETING AND DISTRIBUTION											
BATH	Marketing/Distributive Education	08.0000	---	---	---	MDE	4	30.77	9	69.23	13
CARIBOU	Marketing/Distributive Education	08.0000	---	---	---	MDE	4	13.33	26	86.67	30
FARMINGTON	Distributive Education	08.0000	---	---	---	MDE	22	78.57	6	21.43	28
FORT KENT	Marketing	08.0000	---	---	---	MDE	1	11.11	8	88.89	9
LEWISTON	Marketing/Distributive Education	08.0000	---	---	---	MDE	15	42.86	20	57.14	35
PORTLAND	Marketing/Distributive Education	08.0000	---	---	---	MDE	14	36.84	24	63.16	38
SKOWHEGAN	Marketing/Distributive Education	08.0000	---	---	---	MDE	5	25.00	15	75.00	20
WESTBROOK	Distributive Education	08.0000	---	---	---	MDE	4	33.33	8	66.67	12
REGION 1	Marketing and Distribution	08.0000	---	---	---	MDE	0	**********	0	**********	0
REGION 4	Marketing/Distributive Education	08.0000	---	---	---	MDE	3	12.00	22	88.00	25
REGION 8	Merchandising	08.0000	---	---	---	MDE	2	13.33	13	86.67	15
REGION 11	Marketing	08.0000	---	---	---	MDE	5	13.89	31	86.11	36
* Subsubtotal *							79		182		261
*PROGRAM: ALLIED HEALTH SERVICES											
AUGUSTA	Health Occupations	17.0000	---	---	---	HOE	0	0.00	11	100.00	11
BIDDEFORD	Health Occupations	17.0000	---	---	---	HOE	1	7.14	13	92.86	14
CARIBOU	Health Occupations	17.0000	---	---	---	HOE	0	0.00	10	100.00	10
DEXTER	Health Occupations	17.0000	---	---	---	HOE	1	16.67	5	83.33	6
ELLSWORTH	Health Occupations	17.0000	---	---	---	HOE	0	0.00	5	100.00	5
FARMINGTON	Health Occupations	17.0000	---	---	---	HOE	0	0.00	4	100.00	4
FORT KENT	Health Occupations	17.0000	---	---	---	HOE	0	0.00	23	100.00	23
LEWISTON	Health Occupations	17.0000	---	---	---	HOE	2	9.52	19	90.48	21
PORTLAND	Health Occupations	17.0000	---	---	---	HOE	1	2.70	36	97.30	37
SKOWHEGAN	Health Occupations	17.0000	---	---	---	HOE	0	0.00	14	100.00	14
VAN BUREN	Health Occupations	17.0000	---	---	---	HOE	0	0.00	4	100.00	4
REGION 1	Health Occupations	17.0000	---	---	---	HOE	0	**********	0	**********	0
REGION 3	Health Occupations	17.0000	---	---	---	HOE	2	12.50	14	87.50	16
REGION 7	Health Occupations	17.0000	---	---	---	HOE	2	11.11	16	88.89	18
REGION 10	Health Occupations	17.0000	---	---	---	HOE	4	40.00	6	60.00	10
REGION 11	Allied Health	17.0000	---	---	---	HOE	2	20.00	8	80.00	10
* Subsubtotal *							15		188		203
*PROGRAM: CONSTRUCTION TRADES											
CARIBOU	Industrial Construction	46.0000	---	---	---	TIE	12	100.00	0	0.00	12
* Subsubtotal *							12		0		12

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SECONDARY VOCATIONAL EDUCATION ENROLLMENT STATISTICS,
BY PROGRAM, STATE OF MAINE, PROGRAM YEAR 1987-1988

FACILITY	TITLE	CIP CODE	UNIT OF ANALYSIS	UA #	AAO	AREA	MEN	% MEN	WOMEN	% WOMEN	TOTAL
** Subtotal **							875		1018		1893
**COURSE OF STUDY: OCCU PREP											
*PROGRAM: AGRICULTURAL MECHANICS, GENERAL											
PRESQUE ISLE	Farm Mechanics	01.0201	---	---	---	AAE	26	100.00	0	0.00	26
REGION 2	Farm Mechanics	01.0201	---	---	---	AAE	8	100.00	0	0.00	8
REGION 3	Agriculture Mechanics	01.0201	---	---	---	AAE	26	100.00	0	0.00	26
* Subsubtotal *							60		0		60
*PROGRAM: AGRICULTURAL PRODUCTION, GENERAL											
CARIBOU	Agriculture/Natural Resources	01.0301	FARMERS/FARM OWNERS/FARM MANAGERS	146	---	AAE	10	76.92	3	23.08	13
PRESQUE ISLE	Vocational Agriculture	01.0301	FARMERS/FARM OWNERS/FARM MANAGERS	146	---	AAE	8	88.89	1	11.11	9
REGION 7	Agriculture	01.0301	FARMERS/FARM OWNERS/FARM MANAGERS	146	---	AAE	5	100.00	0	0.00	5
REGION 2	Farm Production	01.0301	FARMERS/FARM OWNERS/FARM MANAGERS	146	---	AAE	10	100.00	0	0.00	10
* Subsubtotal *							33		4		37
*PROGRAM: HORTICULTURE, GENERAL											
PORTLAND	Horticulture	01.0601	GARDENING/GROUNDSKEEPING	144	210	AAE	15	51.72	14	48.28	29
SANFORD	Agriculture	01.0601	GARDENING/GROUNDSKEEPING	144	210	AAE	8	50.00	8	50.00	16
* Subsubtotal *							23		22		45
*PROGRAM: CONSERVATION											
SKOWHEGAN	Conservation	03.0202	FOREST CONSERVATION AIDE	145	6	AAE	18	94.74	1	5.26	19
* Subsubtotal *							18		1		19
*PROGRAM: LOGGING											
AUGUSTA	Forestry/Wood Harvesting	03.0405	LOGGING OPERATIONS	063	273	AAE	10	100.00	0	0.00	10
DEXTER	Forestry/Wood Harvesting	03.0405	LOGGING OPERATIONS	063	273	AAE	22	95.65	1	4.35	23
ELLSWORTH	Wood Harvesting	03.0405	LOGGING OPERATIONS	063	273	AAE	0	**********	0	**********	0
FARMINGTON	Forestry	03.0405	LOGGING OPERATIONS	063	273	AAE	21	100.00	0	0.00	21
MADAWASKA	Tree Harvesting	03.0405	LOGGING OPERATIONS	063	273	AAE	10	100.00	0	0.00	10
PRESQUE ISLE	Forestry	03.0405	LOGGING OPERATIONS	063	273	AAE	20	100.00	0	0.00	20
REGION 1	Tree Harvesting	03.0405	LOGGING OPERATIONS	063	273	AAE	0	**********	0	**********	0
REGION 2	Tree Harvesting	03.0405	LOGGING OPERATIONS	063	273	AAE	17	89.47	2	10.53	19
REGION 3	Forest Harvesting	03.0405	LOGGING OPERATIONS	063	273	AAE	14	100.00	0	0.00	14
REGION 9	Forestry/Wood Harvesting	03.0405	LOGGING OPERATIONS	063	273	AAE	13	100.00	0	0.00	13
REGION 11	Forestry/Wood Harvesting	03.0405	LOGGING OPERATIONS	063	273	AAE	12	100.00	0	0.00	12
* Subsubtotal *							139		3		142
*PROGRAM: ACCOUNTING AND COMPUTING											
BATH	Business Administration	07.0102	ACCOUNTING/BOOKKEEPING CLERKS	051	589	BOE	2	40.00	3	60.00	5
LEWISTON	Business Administration	07.0102	ACCOUNTING/BOOKKEEPING CLERKS	051	589	BOE	4	44.44	5	55.56	9
REGION 8	Business Administration	07.0102	ACCOUNTING/BOOKKEEPING CLERKS	051	589	BOE	1	14.29	6	85.71	7
REGION 11	Business Administration	07.0102	ACCOUNTING/BOOKKEEPING CLERKS	051	589	BOE	37	38.14	60	61.86	97
* Subsubtotal *							44		74		118
*PROGRAM: TELLER											
LEWISTON	Teller Training	07.0205	TELLERS	050	175	BOE	1	5.56	17	94.44	18
* Subsubtotal *							1		17		18
*PROGRAM: BUSINESS COMPUTER AND CONSOLE OPERATION											
WATERVILLE	Business Computer Systems	07.0302	COMPUTER OPERATOR	048	42	BOE	4	36.36	7	63.64	11
REGION 3	Computer Applications	07.0302	COMPUTER OPERATOR	048	42	BOE	4	21.05	15	78.95	19
* Subsubtotal *							8		22		30
*PROGRAM: BUSINESS DATA ENTRY EQUIPMENT OPERATION											

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FACILITY	TITLE	CIP CODE	UNIT OF ANALYSIS	UA #	AAO	AREA	MEN	% MEN	WOMEN	% WOMEN	TOTAL
AUGUSTA	Computer Information	07.0303	BUSINESS DATA PROCESSING	049	38	BOE	4	26.67	11	73.33	15
BIDDEFORD	Data and Word Processing	07.0303	BUSINESS DATA PROCESSING	049	38	BOE	2	13.33	13	86.67	15
CARIBOU	Computer Data Processing	07.0303	BUSINESS DATA PROCESSING	049	38	BOE	8	44.44	10	55.56	18
ELLSWORTH	Advanced Business Practice	07.0303	BUSINESS DATA PROCESSING	049	38	BOE	0	0.00	7	100.00	7
FARMINGTON	Data Processing	07.0303	BUSINESS DATA PROCESSING	049	38	BOE	4	22.22	14	77.78	18
LEWISTON	Data Processing	07.0303	BUSINESS DATA PROCESSING	049	38	BOE	10	50.00	10	50.00	20
MADAWASKA	Computer Applications	07.0303	BUSINESS DATA PROCESSING	049	38	BOE	1	14.29	6	85.71	7
PORTLAND	Data Processing	07.0303	BUSINESS DATA PROCESSING	049	38	BOE	72	37.70	119	62.30	191
SANFORD	Data Processing	07.0303	BUSINESS DATA PROCESSING	049	38	BOE	10	58.82	7	41.18	17
VAN BUREN	Data Processing	07.0303	BUSINESS DATA PROCESSING	049	38	BOE	2	33.33	4	66.67	6
WATERVILLE	Data/Word Processing	07.0303	BUSINESS DATA PROCESSING	049	38	BOE	1	7.69	12	92.31	13
WESTBROOK	Data Processing	07.0303	BUSINESS DATA PROCESSING	049	38	BOE	0	**********	0	**********	0
REGION 4	Data Processing	07.0303	BUSINESS DATA PROCESSING	049	38	BOE	14	33.33	28	66.67	42
REGION 10	Information Processing	07.0303	BUSINESS DATA PROCESSING	049	38	BOE	2	22.22	7	77.78	9
* Subsubtotal *							130		248		378
*PROGRAM: SECRETARIAL AND RELATED PROGRAMS, GENERAL											
BATH	Secretarial	07.0601	SECRETARIES	043	586	BOE	0	0.00	6	100.00	6
LEWISTON	Secretarial	07.0601	SECRETARIES	043	586	BOE	0	0.00	6	100.00	6
REGION 11	Secretarial	07.0601	SECRETARIES	043	586	BOE	1	6.67	14	93.33	15
* Subsubtotal *							1		26		27
*PROGRAM: GENERAL OFFICE CLERK											
BATH	Clerical	07.0705	CLERKS AND RELATED	055	992	BOE	0	0.00	23	100.00	23
LEWISTON	Clerical	07.0705	CLERKS AND RELATED	055	992	BOE	0	0.00	9	100.00	9
REGION 11	Clerical	07.0705	CLERKS AND RELATED	055	992	BOE	1	7.14	13	92.86	14
* Subsubtotal *							1		45		46
*PROGRAM: RETAILING											
AUGUSTA	Retail Marketing	08.0705	MERCHANDISE MANAGERS	037	63	MDE	3	18.75	13	81.25	16
BIDDEFORD	Retailing and Merchandising	08.0705	MERCHANDISE MANAGERS	037	63	MDE	0	0.00	15	100.00	15
REGION 2	Merchandising/Marketing	08.0705	MERCHANDISE MANAGERS	037	63	MDE	0	**********	0	**********	0
REGION 10	Retailing	08.0705	MERCHANDISE MANAGERS	037	63	MDE	4	12.50	28	87.50	32
* Subsubtotal *							7		56		63
*PROGRAM: TOURISM											
DEXTER	Hospitality	08.1104	TRAVEL ASSISTANCE	057	3	MDE	2	22.22	7	77.78	9
* Subsubtotal *							2		7		9
*PROGRAM: WARD CLERK											
LEWISTON	Unit Clerk	17.0513	---	---	---	HOE	1	10.00	9	90.00	10
* Subsubtotal *							1		9		10
*PROGRAM: NURSING ASSISTING											
BATH	Health Assistant	17.0602	NURSE AIDES/ORDERLIES	132	681	HOE	1	20.00	4	80.00	5
CALAIS	Nursing Assisting	17.0602	NURSE AIDES/ORDERLIES	132	681	HOE	0	0.00	7	100.00	7
DEXTER	Nurse Aide	17.0602	NURSE AIDES/ORDERLIES	132	681	HOE	1	11.11	8	88.89	9
MACHIAS	Health Occupations	17.0602	NURSE AIDES/ORDERLIES	137	193	HOE	0	0.00	5	100.00	5
PRESQUE ISLE	Nurse's Aide	17.0602	NURSE AIDES/ORDERLIES	132	681	HOE	0	0.00	6	100.00	6
SANFORD	Health Occupations	17.0602	NURSE AIDES/ORDERLIES	132	681	HOE	0	0.00	9	100.00	9
WATERVILLE	Health Occupations	17.0602	NURSE AIDES/ORDERLIES	132	681	HOE	0	0.00	16	100.00	16
REGION 2	Health Occupations	17.0602	NURSE AIDES/ORDERLIES	132	681	HOE	0	0.00	33	100.00	33
REGION 3	Nursing Assistant	17.0602	NURSE AIDES/ORDERLIES	132	681	HOE	0	0.00	2	100.00	2
REGION 4	Health Occupations	17.0602	NURSE AIDES/ORDERLIES	132	681	HOE	0	0.00	15	100.00	15
REGION 6	Health Occupations	17.0602	NURSE AIDES/ORDERLIES	132	681	HOE	0	**********	0	**********	0
REGION 8	Certified Nurse Assisting	17.0602	NURSE AIDES/ORDERLIES	132	681	HOE	0	0.00	7	100.00	7
REGION 9	Certified Nurse Aide	17.0602	NURSE AIDES/ORDERLIES	132	681	HOE	1	8.33	11	91.67	12
REGION 10	Nurse Assistant	17.0602	NURSE AIDES/ORDERLIES	132	681	HOE	1	20.00	4	80.00	5

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FACILITY	TITLE	CIP CODE	UNIT OF ANALYSIS	UA #	AAO	AREA	MEN	% MEN	WOMEN	% WOMEN	TOTAL
* Subsubtotal *							4		127		131
*PROGRAM: CHILD CARE AIDE/ASSISTING											
AUGUSTA	Child Care	20.0202	CHILD CARE ASSISTANTS	137	193	HEE	0	0.00	13	100.00	13
BATH	Child Care	20.0202	CHILD CARE ASSISTANTS	137	193	HEE	0	0.00	14	100.00	14
BIDDEFORD	Early Childhood Education	20.0202	CHILD CARE ASSISTANTS	137	193	HEE	0	0.00	15	100.00	15
CALAIS	Child Care Aide/Assisting	20.0202	CHILD CARE ASSISTANTS	137	193	HEE	0	0.00	9	100.00	9
FARMINGTON	Child Care	20.0202	CHILD CARE ASSISTANTS	137	193	HEE	0	**********	0	**********	0
FORT KENT	Child Care	20.0202	CHILD CARE ASSISTANTS	137	193	HEE	0	0.00	14	100.00	14
LEWISTON	Child Care Aide	20.0202	CHILD CARE ASSISTANTS	137	193	HEE	0	0.00	26	100.00	26
PORTLAND	Child Care	20.0202	CHILD CARE ASSISTANTS	137	193	HEE	0	0.00	36	100.00	36
VAN BUREN	Child Care	20.0202	CHILD CARE ASSISTANTS	137	193	HEE	0	0.00	7	100.00	7
WATERVILLE	Child Care	20.0202	CHILD CARE ASSISTANTS	137	193	HEE	0	0.00	26	100.00	26
WESTBROOK	Child Care Aide	20.0202	CHILD CARE ASSISTANTS	137	193	HEE	0	0.00	31	100.00	31
REGION 1	Child Care	20.0202	CHILD CARE ASSISTANTS	137	193	HEE	0	**********	0	**********	0
REGION 4	Child Care	20.0202	CHILD CARE ASSISTANTS	137	193	HEE	0	0.00	30	100.00	30
REGION 6	Child Care	20.0202	CHILD CARE ASSISTANTS	137	193	HEE	0	**********	0	**********	0
REGION 11	Child Care	20.0202	CHILD CARE ASSISTANTS	137	193	HEE	1	7.69	12	92.31	13
* Subsubtotal *							1		233		234
*PROGRAM: CUSTOM APPAREL/GARMENT SEAMSTRESS											
PRESQUE ISLE	Fashion and Textile Trades	20.0304	GARMENT MAKER	090	34	HEE	0	**********	0	**********	0
* Subsubtotal *							0		0		0
*PROGRAM: FOOD SERVICE											
AUGUSTA	Food Service	20.0406	FOOD SERVICE WORKERS	129	889	HEE	5	41.67	7	58.33	12
BRIDGTON	Food Service	20.0406	FOOD SERVICE WORKERS	129	889	HEE	6	35.29	11	64.71	17
DEXTER	Food Services	20.0406	FOOD SERVICE WORKERS	129	889	HEE	5	35.71	9	64.29	14
ELLSWORTH	Food Trades	20.0406	FOOD SERVICE WORKERS	129	889	HEE	10	71.43	4	28.57	14
LEWISTON	Foods Service	20.0406	FOOD SERVICE WORKERS	129	889	HEE	13	54.17	11	45.83	24
PORTLAND	Food Service	20.0406	FOOD SERVICE WORKERS	129	889	HEE	19	67.86	9	32.14	28
PRESQUE ISLE	Quantity Foods	20.0406	FOOD SERVICE WORKERS	129	889	HEE	5	20.00	20	80.00	25
SKOWHEGAN	Food Service	20.0406	FOOD SERVICE WORKERS	129	889	HEE	4	30.77	9	69.23	13
WATERVILLE	Food Service	20.0406	FOOD SERVICE WORKERS	129	889	HEE	10	47.62	11	52.38	21
WESTBROOK	Food Services	20.0406	FOOD SERVICE WORKERS	129	889	HEE	7	41.18	10	58.82	17
REGION 2	Food Preparation and Services	20.0406	FOOD SERVICE WORKERS	129	889	HEE	6	25.00	18	75.00	24
REGION 3	Food Service	20.0406	FOOD SERVICE WORKERS	129	889	HEE	2	8.33	22	91.67	24
REGION 4	Food Services	20.0406	FOOD SERVICE WORKERS	129	889	HEE	16	51.61	15	48.39	31
REGION 7	Food Service	20.0406	FOOD SERVICE WORKERS	129	889	HEE	4	30.77	9	69.23	13
REGION 8	Food Preparation	20.0406	FOOD SERVICE WORKERS	129	889	HEE	6	21.43	22	78.57	28
REGION 10	Food Trades	20.0406	FOOD SERVICE WORKERS	129	889	HEE	9	32.14	19	67.86	28
* Subsubtotal *							127		206		333
*PROGRAM: BRICK, BLOCK, AND STONEMASONRY											
PORTLAND	Masonry	46.0102	BRICKLAYER	062	23	TIE	27	96.43	1	3.57	28
REGION 8	Masonry	46.0102	BRICKLAYER	062	23	TIE	0	**********	0	**********	0
REGION 10	Masonry	46.0102	BRICKLAYER	062	23	TIE	0	**********	0	**********	0
* Subsubtotal *							27		1		28
*PROGRAM: CARPENTRY											
AUGUSTA	Carpentry	46.0201	CARPENTERS	061	577	TIE	16	100.00	0	0.00	16
BATH	Building Construction	46.0201	CARPENTERS	061	577	TIE	31	100.00	0	0.00	31
BIDDEFORD	Building Construction	46.0201	CARPENTERS	061	577	TIE	23	100.00	0	0.00	23
BRIDGTON	Residential House Construction	46.0201	CARPENTERS	061	577	TIE	17	89.47	2	10.53	19
CALAIS	Building Construction	46.0201	CARPENTERS	061	577	TIE	13	100.00	0	0.00	13
DEXTER	Home Building	46.0201	CARPENTERS	061	577	TIE	28	100.00	0	0.00	28
ELLSWORTH	Building Trades	46.0201	CARPENTERS	061	577	TIE	10	100.00	0	0.00	10
FARMINGTON	Carpentry	46.0201	CARPENTERS	061	577	TIE	23	92.00	2	8.00	25
LEWISTON	Carpentry	46.0201	CARPENTERS	061	577	TIE	27	100.00	0	0.00	27
MACHIAS	Building Trades	46.0201	CARPENTERS	061	577	TIE	8	100.00	0	0.00	8

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FACILITY	TITLE	CIP CODE	UNIT OF ANALYSIS	UA #	AAO	AREA	MEN	% MEN	WOMEN	% WOMEN	TOTAL
PORTLAND	Carpentry	46.0201	CARPENTERS	061	577	TIE	62	96.88	2	3.13	64
PRESQUE ISLE	Building Trades	46.0201	CARPENTERS	061	577	TIE	28	100.00	0	0.00	28
SANFORD	Building Trades	46.0201	CARPENTERS	061	577	TIE	33	97.06	1	2.94	34
SKOWHEGAN	Carpentry	46.0201	CARPENTERS	061	577	TIE	35	100.00	0	0.00	35
WATERVILLE	Carpentry	46.0201	CARPENTERS	061	577	TIE	35	100.00	0	0.00	35
WESTBROOK	Carpentry	46.0201	CARPENTERS	061	577	TIE	35	94.59	2	5.41	37
REGION 2	Building Trades	46.0201	CARPENTERS	061	577	TIE	16	100.00	0	0.00	16
REGION 3	Building Trades	46.0201	CARPENTERS	061	577	TIE	31	100.00	0	0.00	31
REGION 4	Carpentry	46.0201	CARPENTERS	061	577	TIE	35	100.00	0	0.00	35
REGION 6	Building Trades	46.0201	CARPENTERS	061	577	TIE	0	**********	0	**********	0
REGION 7	Building Construction	46.0201	CARPENTERS	061	577	TIE	15	100.00	0	0.00	15
REGION 8	Carpentry	46.0201	CARPENTERS	061	577	TIE	21	91.30	2	8.70	23
REGION 9	Building Trades	46.0201	CARPENTERS	061	577	TIE	21	100.00	0	0.00	21
REGION 10	Building Trades	46.0201	CARPENTERS	061	577	TIE	50	96.15	2	3.85	52
REGION 11	Carpentry	46.0201	CARPENTERS	061	577	TIE	12	85.71	2	14.29	14
* Subsubtotal *							625		15		640
*PROGRAM: ELECTRICIAN											
AUGUSTA	Electricity	46.0302	ELECTRICIANS	065	208	TIE	8	100.00	0	0.00	8
BATH	Electricity	46.0302	ELECTRICIANS	065	208	TIE	16	88.89	2	11.11	18
BIDDEFORD	Electrical	46.0302	ELECTRICIANS	065	208	TIE	16	100.00	0	0.00	16
BRIDGTON	Electrical Occupations	46.0302	ELECTRICIANS	065	208	TIE	16	100.00	0	0.00	16
FARMINGTON	Industrial Electricity	46.0302	ELECTRICIANS	065	208	TIE	14	100.00	0	0.00	14
LEWISTON	Electrical Trades	46.0302	ELECTRICIANS	065	208	TIE	29	100.00	0	0.00	29
PORTLAND	Electricity	46.0302	ELECTRICIANS	065	208	TIE	23	100.00	0	0.00	23
PRESQUE ISLE	Residential Electricity	46.0302	ELECTRICIANS	065	208	TIE	20	100.00	0	0.00	20
SKOWHEGAN	Electrical Construction	46.0302	ELECTRICIANS	065	208	TIE	17	100.00	0	0.00	17
WESTBROOK	Electricity	46.0302	ELECTRICIANS	065	208	TIE	45	97.83	1	2.17	46
REGION 1	Residential Electricity	46.0302	ELECTRICIANS	065	208	TIE	0	**********	0	**********	0
REGION 3	Electricity	46.0302	ELECTRICIANS	065	208	TIE	18	100.00	0	0.00	18
REGION 4	Electrical	46.0302	ELECTRICIANS	065	208	TIE	21	95.45	1	4.55	22
REGION 7	Electricity	46.0302	ELECTRICIANS	065	208	TIE	7	100.00	0	0.00	7
* Subsubtotal *							250		4		254
*PROGRAM: BUILDING MAINTENANCE											
WATERVILLE	Building Maintenance	46.0401	BUILDING MAINTENANCE	111	230	TIE	22	100.00	0	0.00	22
REGION 4	Building Maintenance	46.0401	BUILDING MAINTENANCE	111	230	TIE	0	**********	0	**********	0
* Subsubtotal *							22		0		22
*PROGRAM: PLUMBING											
BATH	Plumbing	46.0503	PLUMBERS/PIPEFITTERS	068	168	TIE	0	**********	0	**********	0
PORTLAND	Plumbing	46.0503	PLUMBERS/PIPEFITTERS	068	168	TIE	20	100.00	0	0.00	20
WATERVILLE	Plumbing	46.0503	PLUMBERS/PIPEFITTERS	068	168	TIE	0	**********	0	**********	0
REGION 4	Plumbing and Heating	46.0503	PLUMBERS/PIPEFITTERS	068	168	TIE	5	71.43	2	28.57	7
* Subsubtotal *							25		2		27
*PROGRAM: COMMUNICATIONS ELECTRONICS											
CALAIS	Electronics	47.0103	COMMUNICATIONS ELECTRONICS	095	33	TIE	7	100.00	0	0.00	7
CARIBOU	Electronic Technology	47.0103	COMMUNICATIONS ELECTRONICS	095	33	TIE	17	100.00	0	0.00	17
PORTLAND	Electronics	47.0103	COMMUNICATIONS ELECTRONICS	095	33	TIE	9	100.00	0	0.00	9
SANFORD	Electronics	47.0103	COMMUNICATIONS ELECTRONICS	095	33	TIE	13	100.00	0	0.00	13
WESTBROOK	Electronics	47.0103	COMMUNICATIONS ELECTRONICS	095	33	TIE	22	100.00	0	0.00	22
REGION 6	Electronics	47.0103	COMMUNICATIONS ELECTRONICS	095	33	TIE	0	**********	0	**********	0
* Subsubtotal *							68		0		68
*PROGRAM: MAJOR APPLIANCE REPAIR											
REGION 10	Major Appliance Repair	47.0106	APPLIANCE REPAIR	084	16	TIE	0	**********	0	**********	0
* Subsubtotal *							0		0		0

SECONDARY VOCATIONAL EDUCATION ENROLLMENT STATISTICS,
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FACILITY	TITLE	CIP CODE	UNIT OF ANALYSIS	UA #	AAO	AREA	MEN	% MEN	WOMEN	% WOMEN	TOTAL
*PROGRAM: HEATING, AIR CONDITIONING, AND REFRIGERATION											
AUGUSTA	Heating/Air Conditioning	47.0201	HEATING/COOLING/AIR CONDITIONING	075	42	TIE	10	90.91	1	9.09	11
PORTLAND	Heating/Air Conditioning	47.0201	HEATING/COOLING/AIR CONDITIONING	075	42	TIE	0	**********	0	**********	0
WATERVILLE	Heating/Air Conditioning	47.0201	HEATING/COOLING/AIR CONDITIONING	075	42	TIE	20	100.00	0	0.00	20
REGION 4	Air Conditioning/Refrigeration	47.0201	HEATING/COOLING/AIR CONDITIONING	075	42	TIE	9	100.00	0	0.00	9
* Subsubtotal *							39		1		40
*PROGRAM: HEAVY EQUIPMENT MAINTENANCE AND REPAIR											
CARIBOU	Large Equipment Maintenance	47.0302	DIESEL/HEAVY EQUIPMENT MECHANICS	079	42	TIE	24	100.00	0	0.00	24
DEXTER	Heavy Equipment	47.0302	DIESEL/HEAVY EQUIPMENT MECHANICS	079	42	TIE	19	100.00	0	0.00	19
REGION 2	Heavy Duty Equipment	47.0302	DIESEL/HEAVY EQUIPMENT MECHANICS	079	42	TIE	13	81.25	3	18.75	16
REGION 4	Heavy Equipment Maintenance	47.0302	DIESEL/HEAVY EQUIPMENT MECHANICS	079	42	TIE	14	100.00	0	0.00	14
REGION 7	Heavy Equipment Mechanics	47.0302	DIESEL/HEAVY EQUIPMENT MECHANICS	079	42	TIE	4	100.00	0	0.00	4
* Subsubtotal *							74		3		77
*PROGRAM: INDUSTRIAL MACHINERY MAINTENANCE AND REPAIR											
REGION 4	Hydraulics	47.0303	MAINTENANCE MECHANICS	082	118	TIE	0	**********	0	**********	0
* Subsubtotal *							0		0		0
*PROGRAM: AUTOMOTIVE BODY REPAIR											
AUGUSTA	Auto Body Repair	47.0603	AUTO BODY REPAIR	076	53	TIE	9	100.00	0	0.00	9
BIDDEFORD	Auto Body	47.0603	AUTO BODY REPAIR	076	53	TIE	19	95.00	1	5.00	20
CARIBOU	Auto Body Repair	47.0603	AUTO BODY REPAIR	076	53	TIE	29	100.00	0	0.00	29
MADAWASKA	Auto Body	47.0603	AUTO BODY REPAIR	076	53	TIE	10	100.00	0	0.00	10
PORTLAND	Auto Body Repair	47.0603	AUTO BODY REPAIR	076	53	TIE	32	100.00	0	0.00	32
WATERVILLE	Auto Body	47.0603	AUTO BODY REPAIR	076	53	TIE	20	100.00	0	0.00	20
REGION 1	Auto Body Repair	47.0603	AUTO BODY REPAIR	076	53	TIE	0	**********	0	**********	0
REGION 4	Auto Body Repair	47.0603	AUTO BODY REPAIR	076	53	TIE	20	95.24	1	4.76	21
REGION 7	Auto Body/Spray Painting	47.0603	AUTO BODY REPAIR	076	53	TIE	23	100.00	0	0.00	23
REGION 8	Auto Body	47.0603	AUTO BODY REPAIR	076	53	TIE	30	100.00	0	0.00	30
REGION 10	Auto Body Repair	47.0603	AUTO BODY REPAIR	076	53	TIE	21	95.45	1	4.55	22
* Subsubtotal *							213		3		216
*PROGRAM: AUTOMOTIVE MECHANICS											
AUGUSTA	Auto Mechanics	47.0604	AUTOMOTIVE MECHANICS	077	289	TIE	15	93.75	1	6.25	16
BATH	Auto Mechanics	47.0604	AUTOMOTIVE MECHANICS	077	289	TIE	45	95.74	2	4.26	47
BIDDEFORD	Auto Mechanics	47.0604	AUTOMOTIVE MECHANICS	077	289	TIE	24	100.00	0	0.00	24
BRIDGTON	Automotive Servicing	47.0604	AUTOMOTIVE MECHANICS	077	289	TIE	27	96.43	1	3.57	28
CARIBOU	Auto Mechanics	47.0604	AUTOMOTIVE MECHANICS	077	289	TIE	16	100.00	0	0.00	16
DEXTER	Automotive	47.0604	AUTOMOTIVE MECHANICS	077	289	TIE	20	90.91	2	9.09	22
ELLSWORTH	Automotives	47.0604	AUTOMOTIVE MECHANICS	077	289	TIE	18	100.00	0	0.00	18
FARMINGTON	Auto Mechanics	47.0604	AUTOMOTIVE MECHANICS	077	289	TIE	25	100.00	0	0.00	25
FORT KENT	Auto Mechanics	47.0604	AUTOMOTIVE MECHANICS	077	289	TIE	29	93.55	2	6.45	31
LEWISTON	Automotives	47.0604	AUTOMOTIVE MECHANICS	077	289	TIE	32	96.97	1	3.03	33
MADAWASKA	Auto Mechanics	47.0604	AUTOMOTIVE MECHANICS	077	289	TIE	13	100.00	0	0.00	13
PORTLAND	Automotive Machanics	47.0604	AUTOMOTIVE MECHANICS	077	289	TIE	59	88.06	8	11.94	67
PRESQUE ISLE	Automotive Mechanics	47.0604	AUTOMOTIVE MECHANICS	077	289	TIE	36	100.00	0	0.00	36
SANFORD	Power Mechanics	47.0604	AUTOMOTIVE MECHANICS	077	289	TIE	21	100.00	0	0.00	21
SKOWHEGAN	Autiomotive Technology	47.0604	AUTOMOTIVE MECHANICS	077	289	TIE	42	97.67	1	2.33	43
WATERVILLE	Automotive Mechanics	47.0604	AUTOMOTIVE MECHANICS	077	289	TIE	31	100.00	0	0.00	31
WESTBROOK	Auto Mechanics	47.0604	AUTOMOTIVE MECHANICS	077	289	TIE	30	96.77	1	3.23	31
REGION 1	Auto Mechanics	47.0604	AUTOMOTIVE MECHANICS	077	289	TIE	0	**********	0	**********	0
REGION 2	Transportation Mechanics	47.0604	AUTOMOTIVE MECHANICS	077	289	TIE	81	100.00	0	0.00	81
REGION 3	Automotive Mechanics	47.0604	AUTOMOTIVE MECHANICS	077	289	TIE	48	92.31	4	7.69	52
REGION 4	Automotive Mechanics	47.0604	AUTOMOTIVE MECHANICS	077	289	TIE	41	100.00	0	0.00	41
REGION 7	Automotive Technician	47.0604	AUTOMOTIVE MECHANICS	077	289	TIE	12	100.00	0	0.00	12
REGION 8	Auto Mechanics	47.0604	AUTOMOTIVE MECHANICS	077	289	TIE	34	97.14	1	2.86	35
REGION 10	Auto Mechanics	47.0604	AUTOMOTIVE MECHANICS	077	289	TIE	21	91.30	2	8.70	23
* Subsubtotal *							720		26		746

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FACILITY	TITLE	CIP CODE	UNIT OF ANALYSIS	UA #	AAO	AREA	MEN	% MEN	WOMEN	% WOMEN	TOTAL
*PROGRAM: DIESEL ENGINE MECHANICS											
REGION 1	Diesel Mechanics	47.0605	DIESEL/HEAVY EQUIPMENT MECHANICS	079	42	TIE	0	**********	0	**********	0
* Subsubtotal *							0		0		0
*PROGRAM: SMALL ENGINE REPAIR											
AUGUSTA	Small Engine Repair	47.0606	---	---	---	TIE	11	100.00	0	0.00	11
DEXTER	Small Engines	47.0606	---	---	---	TIE	11	100.00	0	0.00	11
PORTLAND	Small Engine Repair	47.0606	---	---	---	TIE	14	100.00	0	0.00	14
REGION 4	Small Engines	47.0606	---	---	---	TIE	19	100.00	0	0.00	19
REGION 10	Outdoor Power Equipment	47.0606	---	---	---	TIE	25	96.15	1	3.85	26
* Subsubtotal *							80		1		81
*PROGRAM: DRAFTING, GENERAL											
AUGUSTA	Drafting	48.0101	DRAFTING	001	53	TIE	17	85.00	3	15.00	20
BATH	Drafting	48.0101	DRAFTING	001	53	TIE	31	83.78	6	16.22	37
BIDDEFORD	Drafting	48.0101	DRAFTING	001	53	TIE	15	75.00	5	25.00	20
BRIDGTON	Drafting and Design	48.0101	DRAFTING	001	53	TIE	17	73.91	6	26.09	23
FARMINGTON	Drafting	48.0101	DRAFTING	001	53	TIE	8	88.89	1	11.11	9
LEWISTON	Drafting	48.0101	DRAFTING	001	53	TIE	18	50.00	18	50.00	36
PRESQUE ISLE	Vocational Drafting	48.0101	DRAFTING	001	53	TIE	22	78.57	6	21.43	28
SANFORD	Drafting	48.0101	DRAFTING	001	53	TIE	16	84.21	3	15.79	19
WATERVILLE	Drafting	48.0101	DRAFTING	001	53	TIE	0	**********	0	**********	0
WESTBROOK	Drafting	48.0101	DRAFTING	001	53	TIE	22	62.86	13	37.14	35
REGION 2	Drafting/Graphics	48.0101	DRAFTING	001	53	TIE	15	88.24	2	11.76	17
REGION 10	Drafting	48.0101	DRAFTING	001	53	TIE	24	96.00	1	4.00	25
* Subsubtotal *							205		64		269
*PROGRAM: ARCHITECTURAL DRAFTING											
PORTLAND	Architectural Drafting	48.0102	DRAFTING	001	53	TIE	17	89.47	2	10.53	19
REGION 4	Blueprint Reading and Drawing	48.0102	DRAFTING	001	53	TIE	14	93.33	1	6.67	15
* Subsubtotal *							31		3		34
*PROGRAM: MECHANICAL DRAFTING											
PORTLAND	Mechanical Drafting	48.0105	DRAFTING	001	53	TIE	0	**********	0	**********	0
* Subsubtotal *							0		0		0
*PROGRAM: GRAPHIC AND PRINTING COMMUNICATIONS, GENERAL											
AUGUSTA	Graphic Arts	48.0201	LITHOGRAPHY/ PHOTOGRAPHY/ PRINTING	092	83	TIE	11	64.71	6	35.29	17
LEWISTON	Graphic Arts	48.0201	LITHOGRAPHY/ PHOTOGRAPHY/ PRINTING	092	83	TIE	16	66.67	8	33.33	24
PORTLAND	Graphic Arts	48.0201	LITHOGRAPHY/ PHOTOGRAPHY/ PRINTING	092	83	TIE	4	30.77	9	69.23	13
PRESQUE ISLE	Graphic Arts	48.0201	LITHOGRAPHY/ PHOTOGRAPHY/ PRINTING	092	83	TIE	7	25.93	20	74.07	27
SANFORD	Graphic Arts	48.0201	LITHOGRAPHY/ PHOTOGRAPHY/ PRINTING	092	83	TIE	9	34.62	17	65.38	26
WATERVILLE	Graphic Arts	48.0201	LITHOGRAPHY/ PHOTOGRAPHY/ PRINTING	092	83	TIE	13	61.90	8	38.10	21
REGION 4	Printing	48.0201	LITHOGRAPHY/ PHOTOGRAPHY/ PRINTING	092	83	TIE	8	80.00	2	20.00	10
* Subsubtotal *							68		70		138
*PROGRAM: COMMERCIAL ART											
PORTLAND	Communication Design	48.0203	DESIGNERS	030	69	TIE	21	63.64	12	36.36	33
* Subsubtotal *							21		12		33
*PROGRAM: MACHINE TOOL OPERATION/MACHINE SHOP											
AUGUSTA	Machine Tool Technology	48.0503	MACHINE TOOL OPERATION/MACHINE SHOP	071	250	TIE	7	87.50	1	12.50	8
BIDDEFORD	Machine Trades	48.0503	MACHINE TOOL OPERATION/MACHINE SHOP	071	250	TIE	17	94.44	1	5.56	18
LEWISTON	Machine Tool	48.0503	MACHINE TOOL OPERATION/MACHINE SHOP	071	250	TIE	23	100.00	0	0.00	23
PORTLAND	Machine Tool	48.0503	MACHINE TOOL OPERATION/MACHINE SHOP	071	250	TIE	20	100.00	0	0.00	20
SANFORD	Machine Trades	48.0503	MACHINE TOOL OPERATION/MACHINE SHOP	071	250	TIE	19	100.00	0	0.00	19
VAN BUREN	Machine Tool	48.0503	MACHINE TOOL OPERATION/MACHINE SHOP	071	250	TIE	10	100.00	0	0.00	10

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FACILITY	TITLE	CIP CODE	UNIT OF ANALYSIS	UA #	AAO	AREA	MEN	% MEN	WOMEN	% WOMEN	TOTAL
WATERVILLE	Machine Tools	48.0503	MACHINE TOOL OPERATION/MACHINE SHOP	071	250	TIE	21	100.00	0	0.00	21
REGION 1	Machine Tool Technology	48.0503	MACHINE TOOL OPERATION/MACHINE SHOP	071	250	TIE	0	**********	0	**********	0
REGION 4	Machine Tool	48.0503	MACHINE TOOL OPERATION/MACHINE SHOP	071	250	TIE	17	85.00	3	15.00	20
REGION 9	Metal Trades	48.0503	MACHINE TOOL OPERATION/MACHINE SHOP	071	250	TIE	23	95.83	1	4.17	24
* Subsubtotal *							157		6		163
*PROGRAM: METAL FABRICATION											
FARMINGTON	Metal Trades	48.0504	METAL FABRICATION	114	28	TIE	25	96.15	1	3.85	26
WESTBROOK	Metal Trades	48.0504	METAL FABRICATION	114	28	TIE	20	100.00	0	0.00	20
REGION 3	Metal Trades	48.0504	METAL FABRICATION	114	28	TIE	25	100.00	0	0.00	25
REGION 10	Metal Fabrication/Welding	48.0504	METAL FABRICATION	114	28	TIE	19	95.00	1	5.00	20
* Subsubtotal *							89		2		91
*PROGRAM: SHEET METAL											
LEWISTON	Sheetmetal/Welding	48.0506	SHEETMETAL WORKERS	073	43	TIE	28	100.00	0	0.00	28
REGION 4	Sheet Metal	48.0506	SHEETMETAL WORKERS	073	43	TIE	19	95.00	1	5.00	20
* Subsubtotal *							47		1		48
*PROGRAM: WELDING, BRAZING AND SOLDERING											
BIDDEFORD	Welding	48.0508	WELDERS/FLAMECUTTERS	115	118	TIE	23	92.00	2	8.00	25
CALAIS	Welding	48.0508	WELDERS/FLAMECUTTERS	115	118	TIE	23	100.00	0	0.00	23
CARIBOU	Welding Technology	48.0508	WELDERS/FLAMECUTTERS	115	118	TIE	16	100.00	0	0.00	16
MADAWASKA	Welding	48.0508	WELDERS/FLAMECUTTERS	115	118	TIE	11	91.67	1	8.33	12
PORTLAND	Welding and Sheet Metal	48.0508	WELDERS/FLAMECUTTERS	115	118	TIE	26	100.00	0	0.00	26
SANFORD	Welding and Metal Fabrication	48.0508	WELDERS/FLAMECUTTERS	115	118	TIE	25	100.00	0	0.00	25
VAN BUREN	Welding	48.0508	WELDERS/FLAMECUTTERS	115	118	TIE	12	100.00	0	0.00	12
REGION 1	Welding	48.0508	WELDERS/FLAMECUTTERS	115	118	TIE	0	**********	0	**********	0
REGION 2	Welding	48.0508	WELDERS/FLAMECUTTERS	115	118	TIE	18	100.00	0	0.00	18
REGION 3	Welding/Cutting	48.0508	WELDERS/FLAMECUTTERS	115	118	TIE	17	100.00	0	0.00	17
REGION 4	Welding	48.0508	WELDERS/FLAMECUTTERS	115	118	TIE	13	100.00	0	0.00	13
REGION 6	Welding	48.0508	WELDERS/FLAMECUTTERS	115	118	TIE	0	**********	0	**********	0
REGION 7	Welding Technology	48.0508	WELDERS/FLAMECUTTERS	115	118	TIE	8	88.89	1	11.11	9
REGION 8	Welding and Metal Fabrication	48.0508	WELDERS/FLAMECUTTERS	115	118	TIE	16	100.00	0	0.00	16
* Subsubtotal *							208		4		212
*PROGRAM: CONSTRUCTION EQUIPMENT OPERATION											
CARIBOU	Large Equipment Operations	49.0202	HEAVY EQUIPMENT OPERATORS	098	115	TIE	15	93.75	1	6.25	16
* Subsubtotal *							15		1		16
*PROGRAM: TRUCK AND BUS DRIVING											
DEXTER	Truck Driving	49.0205	TRUCK AND BUS DRIVERS	126	398	TIE	18	94.74	1	5.26	19
ELLSWORTH	Truck Driving and Maintenance	49.0205	TRUCK AND BUS DRIVERS	126	398	TIE	4	80.00	1	20.00	5
REGION 3	Truck Driving	49.0205	TRUCK AND BUS DRIVERS	126	398	TIE	8	100.00	0	0.00	8
REGION 8	Truck Driving	49.0205	TRUCK AND BUS DRIVERS	126	398	TIE	10	90.91	1	9.09	11
REGION 9	Truck Driving	49.0205	TRUCK AND BUS DRIVERS	126	398	TIE	16	84.21	3	15.79	19
* Subsubtotal *							56		6		62
*PROGRAM: COMMERCIAL FISHING OPERATION											
ELLSWORTH	Marine Technology	49.0303	---	---	---	TIE	10	100.00	0	0.00	10
MACHIAS	Marine Trades	49.0303	---	---	---	TIE	6	100.00	0	0.00	6
REGION 6	Marine Occupations	49.0303	---	---	---	TIE	0	**********	0	**********	0
REGION 8	Marine Occupations	49.0303	---	---	---	TIE	3	100.00	0	0.00	3
REGION 10	Marine Occupations	49.0303	---	---	---	TIE	26	96.30	1	3.70	27
* Subsubtotal *							45		1		46
*PROGRAM: MARINE MAINTENANCE											
REGION 8	Marine Technology	49.0306	MARINE MAINTENANCE	081	62	TIE	14	100.00	0	0.00	14

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FACILITY	TITLE	CIP CODE	UNIT OF ANALYSIS	UA #	AAO	AREA	MEN	% MEN	WOMEN	% WOMEN	TOTAL
* Subsubtotal *							14		0		14
*PROGRAM: SAILORS AND DECKHANDS											
REGION 8	Boat Handling/Seamanship	49.0308	---	---	---	TIE	3	100.00	0	0.00	3
* Subsubtotal *							3		0		3
** Subtotal **							3702		1326		5028
**COURSE OF STUDY: SPEC PREP											
*PROGRAM: ---											
AUGUSTA	Diversified Occupations	---	---	---	---	---	35	81.40	8	18.60	43
BIDDEFORD	Diversified Occupations	---	---	---	---	---	6	50.00	6	50.00	12
BRIDGTON	Diversified Occupations	---	---	---	---	---	11	61.11	7	38.89	18
CARIBOU	Diversified Occupations	---	---	---	---	---	12	41.38	17	58.62	29
DEXTER	Diversified Occupations	---	---	---	---	---	0	**********	0	**********	0
ELLSWORTH	Diversified Occupations	---	---	---	---	---	5	45.45	6	54.55	11
FARMINGTON	Diversified Occupations	---	---	---	---	---	7	31.82	15	68.18	22
LEWISTON	Diversified Occupations	---	---	---	---	---	29	90.63	3	9.38	32
MADAWASKA	Diversified Occupations	---	---	---	---	---	8	72.73	3	27.27	11
PORTLAND	General Trades Cluster	---	---	---	---	---	106	65.84	55	34.16	161
PRESQUE ISLE	Diversified Occupations	---	---	---	---	---	0	**********	0	**********	0
SANFORD	Diversified Occupations	---	---	---	---	---	5	23.81	16	76.19	21
WATERVILLE	Diversified Occupations	---	---	---	---	---	20	64.52	11	35.48	31
REGION 1	Diversified Occupations	---	---	---	---	---	0	**********	0	**********	0
REGION 2	Diversified Occupations	---	---	---	---	---	2	50.00	2	50.00	4
REGION 6	Diversified Occupations	---	---	---	---	---	0	**********	0	**********	0
REGION 7	Diversified Occupations	---	---	---	---	---	0	**********	0	**********	0
REGION 8	Diversified Occupations	---	---	---	---	---	18	90.00	2	10.00	20
REGION 9	Diversified Occupations	---	---	---	---	---	4	80.00	1	20.00	5
REGION 10	Diversified Occupations	---	---	---	---	---	14	53.85	12	46.15	26
REGION 11	Diversified Occupations	---	---	---	---	---	9	56.25	7	43.75	16
* Subsubtotal *							291		171		462
** Subtotal **							291		171		462
**COURSE OF STUDY: TECH PREP											
*PROGRAM: ELECTRICAL AND ELECTRONICS EQUIPMENT REPAIR, GENERAL											
LEWISTON	Electronics Technology	47.0101	---	---	---	TIE	30	100.00	0	0.00	30
WATERVILLE	Electronics	47.0101	---	---	---	TIE	24	96.00	1	4.00	25
* Subsubtotal *							54		1		55
*PROGRAM: VEHICLE AND MOBILE EQUIPMENT MECHANICS AND REPAIRERS											
DEXTER	Basic Mechanics	47.0600	---	---	---	TIE	0	**********	0	**********	0
* Subsubtotal *							0		0		0
** Subtotal **							54		1		55
*** Total ***							4922		2516		7438

SECONDARY VOCATIONAL EDUCATION ENROLLMENT STATISTICS,
BY FACILITY, STATE OF MAINE, PROGRAM YEAR 1987-1988

TITLE	CIP	CIP TITLE	AREA	UA#	UNIT OF ANALYSIS	MEN	WOMEN	TOTAL
**FACILITY: AUGUSTA								
Forestry/Wood Harvesting	03.0405	LOGGING	AAE	063	LOGGING OPERATIONS	10	0	10
Computer Information	07.0303	BUSINESS DATA ENTRY EQUIPMENT OPERATION	BOE	049	BUSINESS DATA PROCESSING	4	11	15
Retail Marketing	08.0705	RETAILING	MOE	037	MERCHANDISE MANAGERS	5	13	16
Health Occupations	17.0000	ALLIED HEALTH SERVICES	HOE	---	---	0	11	11
Child Care	20.0202	CHILD CARE AIDE/ASSISTING	HEE	137	CHILD CARE ASSISTANTS	0	13	13
Food Service	20.0406	FOOD SERVICE	HEE	129	FOOD SERVICE WORKERS	5	7	12
Carpentry	46.0201	CARPENTRY	TIE	061	CARPENTERS	16	0	16
Electricity	46.0302	ELECTRICIAN	TIE	065	ELECTRICIANS	8	0	8
Heating/Air Conditioning	47.0201	HEATING, AIR CONDITIONING, AND REFRIGERATION	TIE	075	HEATING/COOLING/AIR CONDITIONING	10	1	11
Auto Body Repair	47.0603	AUTOMOTIVE BODY REPAIR	TIE	076	AUTO BODY REPAIR	9	0	9
Auto Mechanics	47.0604	AUTOMOTIVE MECHANICS	TIE	077	AUTOMOTIVE MECHANICS	15	1	16
Small Engine Repair	47.0606	SMALL ENGINE REPAIR	TIE	---	---	11	0	11
Drafting	48.0101	DRAFTING, GENERAL	TIE	001	DRAFTING	17	3	20
Graphic Arts	48.0201	GRAPHIC AND PRINTING COMMUNICATIONS, GENERAL	TIE	092	LITHOGRAPHY/ PHOTOGRAPHY/ PRINTING	11	6	17
Machine Tool Technology	48.0503	MACHINE TOOL OPERATION/MACHINE SHOP	TIE	071	MACHINE TOOL OPERATION/MACHINE SHOP	7	1	8
Cooperative Education	---	---	---	---	---	75	56	131
Diversified Occupations	---	---	---	---	---	35	8	43
** Subtotal **						236	131	367
**FACILITY: BATH								
Business Administration	07.0102	ACCOUNTING AND COMPUTING	BOE	051	ACCOUNTING/BOOKKEEPING CLERKS	2	3	5
Secretarial	07.0601	SECRETARIAL AND RELATED PROGRAMS, GENERAL	BOE	043	SECRETARIES	0	6	6
Clerical	07.0705	GENERAL OFFICE CLERK	BOE	055	CLERKS AND RELATED	0	23	23
Marketing/Distributive Education	08.0000	MARKETING AND DISTRIBUTION	MOE	---	---	4	9	13
Health Assistant	17.0602	NURSING ASSISTING	HOE	132	NURSE AIDES/ORDERLIES	1	4	5
Child Care	20.0202	CHILD CARE AIDE/ASSISTING	HEE	137	CHILD CARE ASSISTANTS	0	14	14
Building Construction	46.0201	CARPENTRY	TIE	061	CARPENTERS	31	0	31
Electricity	46.0302	ELECTRICIAN	TIE	065	ELECTRICIANS	16	2	18
Plumbing	46.0503	PLUMBING	TIE	068	PLUMBERS/PIPEFITTERS	0	0	0
Auto Mechanics	47.0604	AUTOMOTIVE MECHANICS	TIE	077	AUTOMOTIVE MECHANICS	45	2	47
Drafting	48.0101	DRAFTING, GENERAL	TIE	001	DRAFTING	31	6	37
Cooperative Education	---	---	---	---	---	10	6	16
** Subtotal **						140	75	215
**FACILITY: BIDDEFORD								
Data and Word Processing	07.0303	BUSINESS DATA ENTRY EQUIPMENT OPERATION	BOE	049	BUSINESS DATA PROCESSING	2	13	15
Retailing and Merchandising	08.0705	RETAILING	MOE	037	MERCHANDISE MANAGERS	0	15	15
Health Occupations	17.0000	ALLIED HEALTH SERVICES	HOE	---	---	1	13	14
Early Childhood Education	20.0202	CHILD CARE AIDE/ASSISTING	HEE	137	CHILD CARE ASSISTANTS	0	15	15
Building Construction	46.0201	CARPENTRY	TIE	061	CARPENTERS	23	0	23
Electrical	46.0302	ELECTRICIAN	TIE	065	ELECTRICIANS	16	0	16
Auto Body	47.0603	AUTOMOTIVE BODY REPAIR	TIE	076	AUTO BODY REPAIR	19	1	20
Auto Mechanics	47.0604	AUTOMOTIVE MECHANICS	TIE	077	AUTOMOTIVE MECHANICS	24	0	24
Drafting	48.0101	DRAFTING, GENERAL	TIE	001	DRAFTING	15	5	20
Machine Trades	48.0503	MACHINE TOOL OPERATION/MACHINE SHOP	TIE	071	MACHINE TOOL OPERATION/MACHINE SHOP	17	1	18
Welding	48.0508	WELDING, BRAZING AND SOLDERING	TIE	115	WELDERS/FLAMECUTTERS	23	2	25
Cooperative Education	---	---	---	---	---	56	43	99
Diversified Occupations	---	---	---	---	---	6	6	12
** Subtotal **						202	114	316
**FACILITY: BRIDGTON								
Food Service	20.0406	FOOD SERVICE	HEE	129	FOOD SERVICE WORKERS	6	11	17
Residential House Construction	46.0201	CARPENTRY	TIE	061	CARPENTERS	17	2	19
Electrical Occupations	46.0302	ELECTRICIAN	TIE	065	ELECTRICIANS	16	0	16
Automotive Servicing	47.0604	AUTOMOTIVE MECHANICS	TIE	077	AUTOMOTIVE MECHANICS	27	1	28
Drafting and Design	48.0101	DRAFTING, GENERAL	TIE	001	DRAFTING	17	6	23
Cooperative Education	---	---	---	---	---	12	10	22
Diversified Occupations	---	---	---	---	---	11	7	18
** Subtotal **						106	37	143

SECONDARY VOCATIONAL EDUCATION ENROLLMENT STATISTICS,
BY FACILITY, STATE OF MAINE, PROGRAM YEAR 1987-1988

TITLE	CIP	CIP TITLE	AREA	UA#	UNIT OF ANALYSIS	MEN	WOMEN	TOTAL
**FACILITY: CALAIS								
Nursing Assisting	17.0602	NURSING ASSISTING	HOE	132	NURSE AIDES/ORDERLIES	0	7	7
Child Care Aide/Assisting	20.0202	CHILD CARE AIDE/ASSISTING	HEE	137	CHILD CARE ASSISTANTS	0	9	9
Building Construction	46.0201	CARPENTRY	TIE	061	CARPENTERS	13	0	13
Electronics	47.0103	COMMUNICATIONS ELECTRONICS	TIE	095	COMMUNICATIONS ELECTRONICS	7	0	7
Welding	48.0508	WELDING, BRAZING AND SOLDERING	TIE	115	WELDERS/FLAMECUTTERS	23	0	23
** Subtotal **						43	16	59
**FACILITY: CARIBOU								
Agriculture/Natural Resources	01.0301	AGRICULTURAL PRODUCTION, GENERAL	AAE	146	FARMERS/FARM OWNERS/FARM MANAGERS	10	3	13
Computer Data Processing	07.0303	BUSINESS DATA ENTRY EQUIPMENT OPERATION	BOE	049	BUSINESS DATA PROCESSING	8	10	18
Marketing/Distributive Education	08.0000	MARKETING AND DISTRIBUTION	MDE	---	---	4	26	30
Health Occupations	17.0000	ALLIED HEALTH SERVICES	HOE	---	---	0	10	10
Industrial Construction	46.0000	CONSTRUCTION TRADES	TIE	---	---	12	0	12
Electronic Technology	47.0103	COMMUNICATIONS ELECTRONICS	TIE	095	COMMUNICATIONS ELECTRONICS	17	0	17
Large Equipment Maintenance	47.0302	HEAVY EQUIPMENT MAINTENANCE AND REPAIR	TIE	079	DIESEL/HEAVY EQUIPMENT MECHANICS	24	0	24
Auto Body Repair	47.0603	AUTOMOTIVE BODY REPAIR	TIE	076	AUTO BODY REPAIR	29	0	29
Auto Mechanics	47.0604	AUTOMOTIVE MECHANICS	TIE	077	AUTOMOTIVE MECHANICS	16	0	16
Welding Technology	48.0508	WELDING, BRAZING AND SOLDERING	TIE	115	WELDERS/FLAMECUTTERS	16	0	16
Large Equipment Operations	49.0202	CONSTRUCTION EQUIPMENT OPERATION	TIE	099	HEAVY EQUIPMENT OPERATORS	15	1	16
Diversified Occupations	---	---	---	---	---	12	17	29
** Subtotal **						163	67	230
**FACILITY: DEXTER								
Forestry/Wood Harvesting	03.0405	LOGGING	AAE	063	LOGGING OPERATIONS	22	1	23
Hospitality	08.1104	TOURISM	MDE	057	TRAVEL ASSISTANCE	2	7	9
Health Occupations	17.0000	ALLIED HEALTH SERVICES	HOE	---	---	1	5	6
Nurse Aide	17.0602	NURSING ASSISTING	HOE	132	NURSE AIDES/ORDERLIES	1	8	9
Food Services	20.0406	FOOD SERVICE	HEE	129	FOOD SERVICE WORKERS	5	9	14
Home Building	46.0201	CARPENTRY	TIE	061	CARPENTERS	28	0	28
Heavy Equipment	47.0302	HEAVY EQUIPMENT MAINTENANCE AND REPAIR	TIE	079	DIESEL/HEAVY EQUIPMENT MECHANICS	19	0	19
Basic Mechanics	47.0600	VEHICLE AND MOBILE EQUIPMENT MECHANICS AND REPAIRERS	TIE	---	---	0	0	0
Automotive	47.0604	AUTOMOTIVE MECHANICS	TIE	077	AUTOMOTIVE MECHANICS	20	2	22
Small Engines	47.0606	SMALL ENGINE REPAIR	TIE	---	---	11	0	11
Truck Driving	49.0205	TRUCK AND BUS DRIVING	TIE	126	TRUCK AND BUS DRIVERS	18	1	19
Cooperative Education	---	---	---	---	---	61	38	99
Diversified Occupations	---	---	---	---	---	0	0	0
** Subtotal **						188	71	259
**FACILITY: ELLSWORTH								
Wood Harvesting	03.0405	LOGGING	AAE	063	LOGGING OPERATIONS	0	0	0
Advanced Business Practice	07.0303	BUSINESS DATA ENTRY EQUIPMENT OPERATION	BOE	049	BUSINESS DATA PROCESSING	0	7	7
Health Occupations	17.0000	ALLIED HEALTH SERVICES	HOE	---	---	0	5	5
Food Trades	20.0406	FOOD SERVICE	HEE	129	FOOD SERVICE WORKERS	10	4	14
Building Trades	46.0201	CARPENTRY	TIE	061	CARPENTERS	10	0	10
Automotives	47.0604	AUTOMOTIVE MECHANICS	TIE	077	AUTOMOTIVE MECHANICS	18	0	18
Truck Driving and Maintenance	49.0205	TRUCK AND BUS DRIVING	TIE	126	TRUCK AND BUS DRIVERS	4	1	5
Marine Technology	49.0303	COMMERCIAL FISHING OPERATION	TIE	---	---	10	0	10
Cooperative Education	---	---	---	---	---	18	13	31
Diversified Occupations	---	---	---	---	---	5	6	11
** Subtotal **						75	36	111
**FACILITY: FARMINGTON								
Forestry	03.0405	LOGGING	AAE	063	LOGGING OPERATIONS	21	0	21
Data Processing	07.0303	BUSINESS DATA ENTRY EQUIPMENT OPERATION	BOE	049	BUSINESS DATA PROCESSING	4	14	18
Distributive Education	08.0000	MARKETING AND DISTRIBUTION	MDE	---	---	22	6	28
Health Occupations	17.0000	ALLIED HEALTH SERVICES	HOE	---	---	0	4	4
Child Care	20.0202	CHILD CARE AIDE/ASSISTING	HEE	137	CHILD CARE ASSISTANTS	0	0	0
Carpentry	46.0201	CARPENTRY	TIE	061	CARPENTERS	23	2	25
Industrial Electricity	46.0302	ELECTRICIAN	TIE	065	ELECTRICIANS	14	0	14

SECONDARY VOCATIONAL EDUCATION ENROLLMENT STATISTICS,
BY FACILITY, STATE OF MAINE, PROGRAM YEAR 1987-1988

TITLE	CIP	CIP TITLE	AREA	UA#	UNIT OF ANALYSIS	MEN	WOMEN	TOTAL
Auto Mechanics	47.0604	AUTOMOTIVE MECHANICS	TIE	077	AUTOMOTIVE MECHANICS	25	0	25
Drafting	48.0101	DRAFTING, GENERAL	TIE	001	DRAFTING	8	1	9
Metal Trades	48.0504	METAL FABRICATION	TIE	114	METAL FABRICATION	25	1	26
Cooperative Education	---	---	---	---	---	13	9	22
Diversified Occupations	---	---	---	---	---	7	15	22
** Subtotal **						162	52	214
**FACILITY: FORT KENT								
Marketing	08.0000	MARKETING AND DISTRIBUTION	MDE	---	---	1	8	9
Health Occupations	17.0000	ALLIED HEALTH SERVICES	HOE	---	---	0	23	23
Child Care	20.0202	CHILD CARE AIDE/ASSISTING	HEE	137	CHILD CARE ASSISTANTS	0	14	14
Auto Mechanics	47.0604	AUTOMOTIVE MECHANICS	TIE	077	AUTOMOTIVE MECHANICS	29	2	31
** Subtotal **						30	47	77
**FACILITY: LEWISTON								
Business Administration	07.0102	ACCOUNTING AND COMPUTING	BOE	051	ACCOUNTING/BOOKKEEPING CLERKS	4	5	9
Teller Training	07.0205	TELLER	BOE	050	TELLERS	1	17	18
Data Processing	07.0303	BUSINESS DATA ENTRY EQUIPMENT OPERATION	BOE	049	BUSINESS DATA PROCESSING	10	10	20
Secretarial	07.0601	SECRETARIAL AND RELATED PROGRAMS, GENERAL	BOE	043	SECRETARIES	0	6	6
Clerical	07.0705	GENERAL OFFICE CLERK	BOE	055	CLERKS AND RELATED	0	9	9
Marketing/Distributive Education	08.0000	MARKETING AND DISTRIBUTION	MDE	---	---	15	20	35
Health Occupations	17.0000	ALLIED HEALTH SERVICES	HOE	---	---	2	19	21
Unit Clerk	17.0513	WARD CLERK	HOE	---	---	1	9	10
Child Care Aide	20.0202	CHILD CARE AIDE/ASSISTING	HEE	137	CHILD CARE ASSISTANTS	0	26	26
Foods Service	20.0406	FOOD SERVICE	HEE	129	FOOD SERVICE WORKERS	13	11	24
Carpentry	46.0201	CARPENTRY	TIE	061	CARPENTERS	27	0	27
Electrical Trades	46.0302	ELECTRICIAN	TIE	065	ELECTRICIANS	29	0	29
Electronics Technology	47.0101	ELECTRICAL AND ELECTRONICS EQUIPMENT REPAIR, GENERAL	TIE	---	---	30	0	30
Automotives	47.0604	AUTOMOTIVE MECHANICS	TIE	077	AUTOMOTIVE MECHANICS	32	1	33
Drafting	48.0101	DRAFTING, GENERAL	TIE	001	DRAFTING	18	18	36
Graphic Arts	48.0201	GRAPHIC AND PRINTING COMMUNICATIONS, GENERAL	TIE	092	LITHOGRAPHY/ PHOTOGRAPHY/ PRINTING	16	8	24
Machine Tool	48.0503	MACHINE TOOL OPERATION/MACHINE SHOP	TIE	071	MACHINE TOOL OPERATION/MACHINE SHOP	23	0	23
Sheetmetal/Welding	48.0506	SHEET METAL	TIE	073	SHEETMETAL WORKERS	28	0	28
Cooperative Education	---	---	---	---	---	71	60	131
Diversified Occupations	---	---	---	---	---	29	3	32
** Subtotal **						349	222	571
**FACILITY: MACHIAS								
Health Occupations	17.0602	NURSING ASSISTING	HOE	137	NURSE AIDES/ORDERLIES	0	5	5
Building Trades	46.0201	CARPENTRY	TIE	061	CARPENTERS	8	0	8
Marine Trades	49.0303	COMMERCIAL FISHING OPERATION	TIE	---	---	6	0	6
** Subtotal **						14	5	19
**FACILITY: MADAWASKA								
Tree Harvesting	03.0405	LOGGING	AAE	063	LOGGING OPERATIONS	10	0	10
Computer Applications	07.0303	BUSINESS DATA ENTRY EQUIPMENT OPERATION	BOE	049	BUSINESS DATA PROCESSING	1	6	7
Auto Body	47.0603	AUTOMOTIVE BODY REPAIR	TIE	076	AUTO BODY REPAIR	10	0	10
Auto Mechanics	47.0604	AUTOMOTIVE MECHANICS	TIE	077	AUTOMOTIVE MECHANICS	13	0	13
Welding	48.0508	WELDING, BRAZING AND SOLDERING	TIE	115	WELDERS/FLAMECUTTERS	11	1	12
Diversified Occupations	---	---	---	---	---	8	3	11
** Subtotal **						53	10	63
**FACILITY: PORTLAND								
Horticulture	01.0601	HORTICULTURE, GENERAL	AAE	144	GARDENING/GROUNDSKEEPING	15	14	29
Data Processing	07.0303	BUSINESS DATA ENTRY EQUIPMENT OPERATION	BOE	049	BUSINESS DATA PROCESSING	72	119	191
Marketing/Distributive Education	08.0000	MARKETING AND DISTRIBUTION	MDE	---	---	14	24	38
Health Occupations	17.0000	ALLIED HEALTH SERVICES	HOE	---	---	1	36	37
Child Care	20.0202	CHILD CARE AIDE/ASSISTING	HEE	137	CHILD CARE ASSISTANTS	0	36	36
Food Service	20.0406	FOOD SERVICE	HEE	129	FOOD SERVICE WORKERS	19	9	28

SECONDARY VOCATIONAL EDUCATION ENROLLMENT STATISTICS,
BY FACILITY, STATE OF MAINE, PROGRAM YEAR 1987-1988

TITLE	CIP	CIP TITLE	AREA	UA#	UNIT OF ANALYSIS	MEN	WOMEN	TOTAL
Masonry	46.0102	BRICK, BLOCK, AND STONEMASONRY	TIE	062	BRICKLAYER	27	1	28
Carpentry	46.0201	CARPENTRY	TIE	061	CARPENTERS	62	2	64
Electricity	46.0302	ELECTRICIAN	TIE	065	ELECTRICIANS	23	0	23
Plumbing	46.0503	PLUMBING	TIE	068	PLUMBERS/PIPEFITTERS	20	0	20
Electronics	47.0103	COMMUNICATIONS ELECTRONICS	TIE	095	COMMUNICATIONS ELECTRONICS	9	0	9
Heating/Air Conditioning	47.0201	HEATING, AIR CONDITIONING, AND REFRIGERATION	TIE	075	HEATING/COOLING/AIR CONDITIONING	0	0	0
Auto Body Repair	47.0603	AUTOMOTIVE BODY REPAIR	TIE	076	AUTO BODY REPAIR	32	0	32
Automotive Machanics	47.0604	AUTOMOTIVE MECHANICS	TIE	077	AUTOMOTIVE MECHANICS	59	8	67
Small Engine Repair	47.0606	SMALL ENGINE REPAIR	TIE	---	---	14	0	14
Architectural Drafting	48.0102	ARCHITECTURAL DRAFTING	TIE	001	DRAFTING	17	2	19
Mechanical Drafting	48.0105	MECHANICAL DRAFTING	TIE	001	DRAFTING	0	0	0
Graphic Arts	48.0201	GRAPHIC AND PRINTING COMMUNICATIONS, GENERAL	TIE	092	LITHOGRAPHY/ PHOTOGRAPHY/ PRINTING	4	9	13
Communication Design	48.0203	COMMERCIAL ART	TIE	030	DESIGNERS	21	12	33
Machine Tool	48.0503	MACHINE TOOL OPERATION/MACHINE SHOP	TIE	071	MACHINE TOOL OPERATION/MACHINE SHOP	20	0	20
Welding and Sheet Metal	48.0508	WELDING, BRAZING AND SOLDERING	TIE	115	WELDERS/FLAMECUTTERS	26	0	26
Cooperative Education	---	---	---	---	---	71	94	165
General Trades Cluster	---	---	---	---	---	106	55	161
** Subtotal **						632	421	1053
**FACILITY: PRESQUE ISLE								
Farm Mechanics	01.0201	AGRICULTURAL MECHANICS, GENERAL	AAE	---	---	26	0	26
Vocational Agriculture	01.0301	AGRICULTURAL PRODUCTION, GENERAL	AAE	146	FARMERS/FARM OWNERS/FARM MANAGERS	8	1	9
Forestry	03.0405	LOGGING	AAE	063	LOGGING OPERATIONS	20	0	20
Nurse's Aide	17.0602	NURSING ASSISTING	HOE	132	NURSE AIDES/ORDERLIES	0	6	6
Fashion and Textile Trades	20.0304	CUSTOM APPAREL/GARMENT SEAMSTRESS	HEE	090	GARMENT MAKER	0	0	0
Quantity Foods	20.0406	FOOD SERVICE	HEE	129	FOOD SERVICE WORKERS	5	20	25
Building Trades	46.0201	CARPENTRY	TIE	061	CARPENTERS	28	0	28
Residential Electricity	46.0302	ELECTRICIAN	TIE	065	ELECTRICIANS	20	0	20
Automotive Mechanics	47.0604	AUTOMOTIVE MECHANICS	TIE	077	AUTOMOTIVE MECHANICS	36	0	36
Vocational Drafting	48.0101	DRAFTING, GENERAL	TIE	001	DRAFTING	22	6	28
Graphic Arts	48.0201	GRAPHIC AND PRINTING COMMUNICATIONS, GENERAL	TIE	092	LITHOGRAPHY/ PHOTOGRAPHY/ PRINTING	7	20	27
Diversified Occupations	---	---	---	---	---	0	0	0
** Subtotal **						172	53	225
**FACILITY: SANFORD								
Agriculture	01.0601	HORTICULTURE, GENERAL	AAE	144	GARDENING/GROUNDSKEEPING	8	8	16
Data Processing	07.0303	BUSINESS DATA ENTRY EQUIPMENT OPERATION	HOE	049	BUSINESS DATA PROCESSING	10	7	17
Health Occupations	17.0602	NURSING ASSISTING	HOE	132	NURSE AIDES/ORDERLIES	0	9	9
Building Trades	46.0201	CARPENTRY	TIE	061	CARPENTERS	33	1	34
Electronics	47.0103	COMMUNICATIONS ELECTRONICS	TIE	095	COMMUNICATIONS ELECTRONICS	13	0	13
Power Mechanics	47.0604	AUTOMOTIVE MECHANICS	TIE	077	AUTOMOTIVE MECHANICS	21	0	21
Drafting	48.0101	DRAFTING, GENERAL	TIE	001	DRAFTING	16	3	19
Graphic Arts	48.0201	GRAPHIC AND PRINTING COMMUNICATIONS, GENERAL	TIE	092	LITHOGRAPHY/ PHOTOGRAPHY/ PRINTING	9	17	26
Machine Trades	48.0503	MACHINE TOOL OPERATION/MACHINE SHOP	TIE	071	MACHINE TOOL OPERATION/MACHINE SHOP	19	0	19
Welding and Metal Fabrication	48.0508	WELDING, BRAZING AND SOLDERING	TIE	115	WELDERS/FLAMECUTTERS	25	0	25
Cooperative Education	---	---	---	---	---	102	79	181
Diversified Occupations	---	---	---	---	---	5	16	21
** Subtotal **						261	140	401
**FACILITY: SKOWHEGAN								
Conservation	03.0202	CONSERVATION	AAE	145	FOREST CONSERVATION AIDE	18	1	19
Marketing/Distributive Education	08.0000	MARKETING AND DISTRIBUTION	MDE	---	---	5	15	20
Health Occupations	17.0000	ALLIED HEALTH SERVICES	HOE	---	---	0	14	14
Food Service	20.0406	FOOD SERVICE	HEE	129	FOOD SERVICE WORKERS	4	9	13
Carpentry	46.0201	CARPENTRY	TIE	061	CARPENTERS	35	0	35
Electrical Construction	46.0302	ELECTRICIAN	TIE	065	ELECTRICIANS	17	0	17
Autiomotive Technology	47.0604	AUTOMOTIVE MECHANICS	TIE	077	AUTOMOTIVE MECHANICS	42	1	43
Cooperative Education	---	---	---	---	---	31	28	59
** Subtotal **						152	68	220

SECONDARY VOCATIONAL EDUCATION ENROLLMENT STATISTICS,
BY FACILITY, STATE OF MAINE, PROGRAM YEAR 1987-1988

TITLE	CIP	CIP TITLE	AREA	UA#	UNIT OF ANALYSIS	MEN	WOMEN	TOTAL
**FACILITY: VAN BUREN								
Data Processing	07.0303	BUSINESS DATA ENTRY EQUIPMENT OPERATION	BOE	049	BUSINESS DATA PROCESSING	2	4	6
Health Occupations	17.0000	ALLIED HEALTH SERVICES	HOE	---	---	0	4	4
Child Care	20.0202	CHILD CARE AIDE/ASSISTING	HEE	137	CHILD CARE ASSISTANTS	0	7	7
Machine Tool	48.0503	MACHINE TOOL OPERATION/MACHINE SHOP	TIE	071	MACHINE TOOL OPERATION/MACHINE SHOP	10	0	10
Welding	48.0508	WELDING, BRAZING AND SOLDERING	TIE	115	WELDERS/FLAMECUTTERS	12	0	12
** Subtotal **						24	15	39
**FACILITY: WATERVILLE								
Business Computer Systems	07.0302	BUSINESS COMPUTER AND CONSOLE OPERATION	BOE	048	COMPUTER OPERATOR	4	7	11
Data/Word Processing	07.0303	BUSINESS DATA ENTRY EQUIPMENT OPERATION	BOE	049	BUSINESS DATA PROCESSING	1	12	13
Health Occupations	17.0602	NURSING ASSISTING	HOE	132	NURSE AIDES/ORDERLIES	0	16	16
Child Care	20.0202	CHILD CARE AIDE/ASSISTING	HEE	137	CHILD CARE ASSISTANTS	0	26	26
Food Service	20.0406	FOOD SERVICE	HEE	129	FOOD SERVICE WORKERS	10	11	21
Carpentry	46.0201	CARPENTRY	TIE	061	CARPENTERS	35	0	35
Building Maintenance	46.0401	BUILDING MAINTENANCE	TIE	111	BUILDING MAINTENANCE	22	0	22
Plumbing	46.0503	PLUMBING	TIE	068	PLUMBERS/PIPEFITTERS	0	0	0
Electronics	47.0101	ELECTRICAL AND ELECTRONICS EQUIPMENT REPAIR, GENERAL	TIE	---	---	24	1	25
Heating/Air Conditioning	47.0201	HEATING, AIR CONDITIONING, AND REFRIGERATION	TIE	075	HEATING/COOLING/AIR CONDITIONING	20	0	20
Auto Body	47.0603	AUTOMOTIVE BODY REPAIR	TIE	076	AUTO BODY REPAIR	20	0	20
Automotive Mechanics	47.0604	AUTOMOTIVE MECHANICS	TIE	077	AUTOMOTIVE MECHANICS	31	0	31
Drafting	48.0101	DRAFTING, GENERAL	TIE	001	DRAFTING	0	0	0
Graphic Arts	48.0201	GRAPHIC AND PRINTING COMMUNICATIONS, GENERAL	TIE	092	LITHOGRAPHY/ PHOTOGRAPHY/ PRINTING	13	8	21
Machine Tools	48.0503	MACHINE TOOL OPERATION/MACHINE SHOP	TIE	071	MACHINE TOOL OPERATION/MACHINE SHOP	21	0	21
Cooperative Education	---	---	---	---	---	8	10	18
Diversified Occupations	---	---	---	---	---	20	11	31
** Subtotal **						229	102	331
**FACILITY: WESTBROOK								
Data Processing	07.0303	BUSINESS DATA ENTRY EQUIPMENT OPERATION	BOE	049	BUSINESS DATA PROCESSING	0	0	0
Distributive Education	08.0000	MARKETING AND DISTRIBUTION	MDE	---	---	4	8	12
Child Care Aide	20.0202	CHILD CARE AIDE/ASSISTING	HEE	137	CHILD CARE ASSISTANTS	0	31	31
Food Services	20.0406	FOOD SERVICE	HEE	129	FOOD SERVICE WORKERS	7	10	17
Carpentry	46.0201	CARPENTRY	TIE	061	CARPENTERS	35	2	37
Electricity	46.0302	ELECTRICIAN	TIE	065	ELECTRICIANS	45	1	46
Electronics	47.0103	COMMUNICATIONS ELECTRONICS	TIE	095	COMMUNICATIONS ELECTRONICS	22	0	22
Auto Mechanics	47.0604	AUTOMOTIVE MECHANICS	TIE	077	AUTOMOTIVE MECHANICS	30	1	31
Drafting	48.0101	DRAFTING, GENERAL	TIE	001	DRAFTING	22	13	35
Metal Trades	48.0504	METAL FABRICATION	TIE	114	METAL FABRICATION	20	0	20
Cooperative Education	---	---	---	---	---	85	47	132
** Subtotal **						270	113	383
**FACILITY: REGION 1								
Tree Harvesting	03.0405	LOGGING	AAE	063	LOGGING OPERATIONS	0	0	0
Marketing and Distribution	08.0000	MARKETING AND DISTRIBUTION	MDE	---	---	0	0	0
Health Occupations	17.0000	ALLIED HEALTH SERVICES	HOE	---	---	0	0	0
Child Care	20.0202	CHILD CARE AIDE/ASSISTING	HEE	137	CHILD CARE ASSISTANTS	0	0	0
Residential Electricity	46.0302	ELECTRICIAN	TIE	065	ELECTRICIANS	0	0	0
Auto Body Repair	47.0603	AUTOMOTIVE BODY REPAIR	TIE	076	AUTO BODY REPAIR	0	0	0
Auto Mechanics	47.0604	AUTOMOTIVE MECHANICS	TIE	077	AUTOMOTIVE MECHANICS	0	0	0
Diesel Mechanics	47.0605	DIESEL ENGINE MECHANICS	TIE	079	DIESEL/HEAVY EQUIPMENT MECHANICS	0	0	0
Machine Tool Technology	48.0503	MACHINE TOOL OPERATION/MACHINE SHOP	TIE	071	MACHINE TOOL OPERATION/MACHINE SHOP	0	0	0
Welding	48.0508	WELDING, BRAZING AND SOLDERING	TIE	115	WELDERS/FLAMECUTTERS	0	0	0
Diversified Occupations	---	---	---	---	---	0	0	0
** Subtotal **						0	0	0
**FACILITY: REGION 2								
Farm Mechanics	01.0201	AGRICULTURAL MECHANICS, GENERAL	AAE	---	---	8	0	8
Farm Production	01.0301	AGRICULTURAL PRODUCTION, GENERAL	AAE	146	FARMERS/FARM OWNERS/FARM MANAGERS	10	0	10
Tree Harvesting	03.0405	LOGGING	AAE	063	LOGGING OPERATIONS	17	2	19

SECONDARY VOCATIONAL EDUCATION ENROLLMENT STATISTICS,
BY FACILITY, STATE OF MAINE, PROGRAM YEAR 1987-1988

TITLE	CIP	CIP TITLE	AREA	UNIT	UNIT OF ANALYSIS	MEN	WOMEN	TOTAL
Merchandising/Marketing	08.0705	RETAILING	MDE	037	MERCHANDISE MANAGERS	0	0	0
Health Occupations	17.0602	NURSING ASSISTING	HOE	132	NURSE AIDES/ORDERLIES	0	33	33
Food Preparation and Services	20.0406	FOOD SERVICE	HEE	129	FOOD SERVICE WORKERS	6	18	24
Building Trades	46.0201	CARPENTRY	TIE	061	CARPENTERS	16	0	16
Heavy Duty Equipment	47.0302	HEAVY EQUIPMENT MAINTENANCE AND REPAIR	TIE	079	DIESEL/HEAVY EQUIPMENT MECHANICS	13	3	16
Transportation Mechanics	47.0604	AUTOMOTIVE MECHANICS	TIE	077	AUTOMOTIVE MECHANICS	81	0	81
Drafting/Graphics	48.0101	DRAFTING, GENERAL	TIE	001	DRAFTING	15	2	17
Welding	48.0508	WELDING, BRAZING AND SOLDERING	TIE	115	WELDERS/FLAMECUTTERS	18	0	18
Cooperative Education	---	---	---	---	---	11	12	23
Diversified Occupations	---	---	---	---	---	2	2	4
** Subtotal **						197	72	269
**FACILITY: REGION 3								
Agriculture Mechanics	01.0201	AGRICULTURAL MECHANICS, GENERAL	AAE	---	---	26	0	26
Forest Harvesting	03.0405	LOGGING	AAE	063	LOGGING OPERATIONS	14	0	14
Computer Applications	07.0302	BUSINESS COMPUTER AND CONSOLE OPERATION	BOE	048	COMPUTER OPERATOR	4	15	19
Health Occupations	17.0000	ALLIED HEALTH SERVICES	HOE	---	---	2	14	16
Nursing Assistant	17.0602	NURSING ASSISTING	HOE	132	NURSE AIDES/ORDERLIES	0	2	2
Food Service	20.0406	FOOD SERVICE	HEE	129	FOOD SERVICE WORKERS	2	22	24
Building Trades	46.0201	CARPENTRY	TIE	061	CARPENTERS	31	0	31
Electricity	46.0302	ELECTRICIAN	TIE	065	ELECTRICIANS	18	0	18
Automotive Mechanics	47.0604	AUTOMOTIVE MECHANICS	TIE	077	AUTOMOTIVE MECHANICS	48	4	52
Metal Trades	48.0504	METAL FABRICATION	TIE	114	METAL FABRICATION	25	0	25
Welding/Cutting	48.0508	WELDING, BRAZING AND SOLDERING	TIE	115	WELDERS/FLAMECUTTERS	17	0	17
Truck Driving	49.0205	TRUCK AND BUS DRIVING	TIE	126	TRUCK AND BUS DRIVERS	8	0	8
Cooperative Education	---	---	---	---	---	24	13	37
** Subtotal **						219	70	289
**FACILITY: REGION 4								
Data Processing	07.0303	BUSINESS DATA ENTRY EQUIPMENT OPERATION	BOE	049	BUSINESS DATA PROCESSING	14	28	42
Marketing/Distributive Education	08.0000	MARKETING AND DISTRIBUTION	MDE	---	---	3	22	25
Health Occupations	17.0602	NURSING ASSISTING	HOE	132	NURSE AIDES/ORDERLIES	0	15	15
Child Care	20.0202	CHILD CARE AIDE/ASSISTING	HEE	137	CHILD CARE ASSISTANTS	0	30	30
Food Services	20.0406	FOOD SERVICE	HEE	129	FOOD SERVICE WORKERS	16	15	31
Carpentry	46.0201	CARPENTRY	TIE	061	CARPENTERS	35	0	35
Electrical	46.0302	ELECTRICIAN	TIE	065	ELECTRICIANS	21	1	22
Building Maintenance	46.0401	BUILDING MAINTENANCE	TIE	111	BUILDING MAINTENANCE	0	0	0
Plumbing and Heating	46.0503	PLUMBING	TIE	068	PLUMBERS/PIPEFITTERS	5	2	7
Air Conditioning/Refrigeration	47.0201	HEATING, AIR CONDITIONING, AND REFRIGERATION	TIE	075	HEATING/COOLING/AIR CONDITIONING	9	0	9
Heavy Equipment Maintenance	47.0302	HEAVY EQUIPMENT MAINTENANCE AND REPAIR	TIE	079	DIESEL/HEAVY EQUIPMENT MECHANICS	14	0	14
Hydraulics	47.0303	INDUSTRIAL MACHINERY MAINTENANCE AND REPAIR	TIE	082	MAINTENANCE MECHANICS	0	0	0
Auto Body Repair	47.0603	AUTOMOTIVE BODY REPAIR	TIE	076	AUTO BODY REPAIR	20	1	21
Automotive Mechanics	47.0604	AUTOMOTIVE MECHANICS	TIE	077	AUTOMOTIVE MECHANICS	41	0	41
Small Engines	47.0606	SMALL ENGINE REPAIR	TIE	---	---	19	0	19
Blueprint Reading and Drawing	48.0102	ARCHITECTURAL DRAFTING	TIE	001	DRAFTING	14	1	15
Printing	48.0201	GRAPHIC AND PRINTING COMMUNICATIONS, GENERAL	TIE	092	LITHOGRAPHY/ PHOTOGRAPHY/ PRINTING	8	2	10
Machine Tool	48.0503	MACHINE TOOL OPERATION/MACHINE SHOP	TIE	071	MACHINE TOOL OPERATION/MACHINE SHOP	17	3	20
Sheet Metal	48.0506	SHEET METAL	TIE	073	SHEETMETAL WORKERS	19	1	20
Welding	48.0508	WELDING, BRAZING AND SOLDERING	TIE	115	WELDERS/FLAMECUTTERS	13	0	13
Cooperative Education	---	---	---	---	---	72	81	153
** Subtotal **						340	202	542
**FACILITY: REGION 6								
Health Occupations	17.0602	NURSING ASSISTING	HOE	132	NURSE AIDES/ORDERLIES	0	0	0
Child Care	20.0202	CHILD CARE AIDE/ASSISTING	HEE	137	CHILD CARE ASSISTANTS	0	0	0
Building Trades	46.0201	CARPENTRY	TIE	061	CARPENTERS	0	0	0
Electronics	47.0103	COMMUNICATIONS ELECTRONICS	TIE	095	COMMUNICATIONS ELECTRONICS	0	0	0
Welding	48.0508	WELDING, BRAZING AND SOLDERING	TIE	115	WELDERS/FLAMECUTTERS	0	0	0
Marine Occupations	49.0303	COMMERCIAL FISHING OPERATION	TIE	---	---	0	0	0
Diversified Occupations	---	---	---	---	---	0	0	0

SECONDARY VOCATIONAL EDUCATION ENROLLMENT STATISTICS,
BY FACILITY, STATE OF MAINE, PROGRAM YEAR 1987-1988

TITLE	CIP	CIP TITLE	AREA	UA#	UNIT OF ANALYSIS	MEN	WOMEN	TOTAL
** Subtotal **						0	0	0
**FACILITY: REGION 7								
Agriculture	01.0301	AGRICULTURAL PRODUCTION, GENERAL	AAE	146	FARMERS/FARM OWNERS/FARM MANAGERS	5	0	5
Health Occupations	17.0000	ALLIED HEALTH SERVICES	HOE	---	---	2	16	18
Food Service	20.0406	FOOD SERVICE	HEE	129	FOOD SERVICE WORKERS	4	9	13
Building Construction	46.0201	CARPENTRY	TIE	061	CARPENTERS	15	0	15
Electricity	46.0302	ELECTRICIAN	TIE	065	ELECTRICIANS	7	0	7
Heavy Equipment Mechanics	47.0302	HEAVY EQUIPMENT MAINTENANCE AND REPAIR	TIE	079	DIESEL/HEAVY EQUIPMENT MECHANICS	4	0	4
Auto Body/Spray Painting	47.0603	AUTOMOTIVE BODY REPAIR	TIE	076	AUTO BODY REPAIR	23	0	23
Automotive Technician	47.0604	AUTOMOTIVE MECHANICS	TIE	077	AUTOMOTIVE MECHANICS	12	0	12
Welding Technology	48.0508	WELDING, BRAZING AND SOLDERING	TIE	115	WELDERS/FLAMECUTTERS	8	1	9
Diversified Occupations	---	---	---	---	---	0	0	0
** Subtotal **						80	26	106
**FACILITY: REGION 8								
Business Administration	07.0102	ACCOUNTING AND COMPUTING	BOE	051	ACCOUNTING/BOOKKEEPING CLERKS	1	6	7
Merchandising	08.0000	MARKETING AND DISTRIBUTION	MOE	---	---	2	13	15
Certified Nurse Assisting	17.0602	NURSING ASSISTING	HOE	132	NURSE AIDES/ORDERLIES	0	7	7
Food Preparation	20.0406	FOOD SERVICE	HEE	129	FOOD SERVICE WORKERS	6	22	28
Masonry	46.0102	BRICK, BLOCK, AND STONEMASONRY	TIE	062	BRICKLAYER	0	0	0
Carpentry	46.0201	CARPENTRY	TIE	061	CARPENTERS	21	2	23
Auto Body	47.0603	AUTOMOTIVE BODY REPAIR	TIE	076	AUTO BODY REPAIR	30	0	30
Auto Mechanics	47.0604	AUTOMOTIVE MECHANICS	TIE	077	AUTOMOTIVE MECHANICS	34	1	35
Welding and Metal Fabrication	48.0508	WELDING, BRAZING AND SOLDERING	TIE	115	WELDERS/FLAMECUTTERS	16	0	16
Truck Driving	49.0205	TRUCK AND BUS DRIVING	TIE	126	TRUCK AND BUS DRIVERS	10	1	11
Marine Occupations	49.0303	COMMERCIAL FISHING OPERATION	TIE	---	---	3	0	3
Marine Technology	49.0306	MARINE MAINTENANCE	TIE	081	MARINE MAINTENANCE	14	0	14
Boat Handling/Seamanship	49.0308	SAILORS AND DECKHANDS	TIE	---	---	3	0	3
Cooperative Education	---	---	---	---	---	44	48	92
Diversified Occupations	---	---	---	---	---	18	2	20
** Subtotal **						202	102	304
**FACILITY: REGION 9								
Forestry/Wood Harvesting	03.0405	LOGGING	AAE	063	LOGGING OPERATIONS	13	0	13
Certified Nurse Aide	17.0602	NURSING ASSISTING	HOE	132	NURSE AIDES/ORDERLIES	1	11	12
Building Trades	46.0201	CARPENTRY	TIE	061	CARPENTERS	21	0	21
Metal Trades	48.0503	MACHINE TOOL OPERATION/MACHINE SHOP	TIE	071	MACHINE TOOL OPERATION/MACHINE SHOP	23	1	24
Truck Driving	49.0205	TRUCK AND BUS DRIVING	TIE	126	TRUCK AND BUS DRIVERS	16	3	19
Diversified Occupations	---	---	---	---	---	4	1	5
** Subtotal **						78	16	94
**FACILITY: REGION 10								
Information Processing	07.0303	BUSINESS DATA ENTRY EQUIPMENT OPERATION	BOE	049	BUSINESS DATA PROCESSING	2	7	9
Retailing	08.0705	RETAILING	MOE	037	MERCHANDISE MANAGERS	4	28	32
Health Occupations	17.0000	ALLIED HEALTH SERVICES	HOE	---	---	4	6	10
Nurse Assistant	17.0602	NURSING ASSISTING	HOE	132	NURSE AIDES/ORDERLIES	1	4	5
Food Trades	20.0406	FOOD SERVICE	HEE	129	FOOD SERVICE WORKERS	9	19	28
Masonry	46.0102	BRICK, BLOCK, AND STONEMASONRY	TIE	062	BRICKLAYER	0	0	0
Building Trades	46.0201	CARPENTRY	TIE	061	CARPENTERS	50	2	52
Major Appliance Repair	47.0106	MAJOR APPLIANCE REPAIR	TIE	084	APPLIANCE REPAIR	0	0	0
Auto Body Repair	47.0603	AUTOMOTIVE BODY REPAIR	TIE	076	AUTO BODY REPAIR	21	1	22
Auto Mechanics	47.0604	AUTOMOTIVE MECHANICS	TIE	077	AUTOMOTIVE MECHANICS	21	2	23
Outdoor Power Equipment	47.0606	SMALL ENGINE REPAIR	TIE	---	---	25	1	26
Drafting	48.0101	DRAFTING, GENERAL	TIE	001	DRAFTING	24	1	25
Metal Fabrication/Welding	48.0504	METAL FABRICATION	TIE	114	METAL FABRICATION	19	1	20
Marine Occupations	49.0303	COMMERCIAL FISHING OPERATION	TIE	---	---	26	1	27
Cooperative Education	---	---	---	---	---	0	0	0
Diversified Occupations	---	---	---	---	---	14	12	26
** Subtotal **						220	85	305

SECONDARY VOCATIONAL EDUCATION ENROLLMENT STATISTICS,
BY FACILITY, STATE OF MAINE, PROGRAM YEAR 1987-1988

TITLE	CIP	CIP TITLE	AREA	UA#	UNIT OF ANALYSIS	MEN	WOMEN	TOTAL
**FACILITY: REGION 11								
Forestry/Wood Harvesting	03.0405	LOGGING	AAE	063	LOGGING OPERATIONS	12	0	12
Business Administration	07.0102	ACCOUNTING AND COMPUTING	BOE	051	ACCOUNTING/BOOKKEEPING CLERKS	37	60	97
Secretarial	07.0601	SECRETARIAL AND RELATED PROGRAMS, GENERAL	BOE	043	SECRETARIES	1	14	15
Clerical	07.0705	GENERAL OFFICE CLERK	BOE	055	CLERKS AND RELATED	1	13	14
Marketing	08.0000	MARKETING AND DISTRIBUTION	MOE	---	---	5	31	36
Allied Health	17.0000	ALLIED HEALTH SERVICES	HOE	---	---	2	8	10
Child Care	20.0202	CHILD CARE AIDE/ASSISTING	HEE	137	CHILD CARE ASSISTANTS	1	12	13
Carpentry	46.0201	CARPENTRY	TIE	061	CARPENTERS	12	2	14
Cooperative Education	---	---	---	---	---	5	1	6
Diversified Occupations	---	---	---	---	---	9	7	16
** Subtotal **						85	148	233
*** Total ***						4922	2516	7438

NOTES ON THE OCCUPATIONAL SUPPLY/DEMAND OUTLOOK
FOR SPECIFIC OCCUPATIONAL TRAINING PROGRAMS AT THE SECONDARY LEVEL
RELATED TO OCCUPATIONS IN THE HOSPITALITY, RECREATION,
AND TOURISM INDUSTRIES

Any analysis of the occupational supply and demand outlook for the "hospitality industry" must begin with a definition of the industry. The accepted national taxonomy of American industries—the *Standard Industrial Classification Manual* (SIC), published and periodically updated by the U.S. Office of Management and Budget—does not recognize its existence.

The accepted national taxonomy of instructional programs, on the other hand—the *Classification of Instructional Programs* (CIP), published and periodically updated by the Center for Education Statistics—does include a definition. According to the CIP manual, the hospitality industry includes "lodging services and related convention services" [i.e., SIC 70, Hotels, Rooming Houses, Camps, and Other Lodging Places] and "food and beverage services" [i.e., SIC 58, Eating and Drinking Places].

In addition, the CIP associates the hospitality industry with the "recreation industry": "products and services related to entertainment, sports, hobbies, and cultural activities" [i.e., SIC 79, Amusement and Recreation Services, Except Motion Pictures].

A further association can be made between hospitality, recreation, and tourism and travel services.

In general, forecasts prepared by the Maine Department of Labor (DOL) anticipate much more rapid than average employment growth in these sectors over the next ten years. SIC 70 and SIC 58, for example, are both among the 12 Maine industries which the DOL projects will gain the greatest number of new jobs between 1984 and 1995. [cf. *The Maine Labor Force to the Year 2000 and Related Human Resource Issues* (Maine DOL, November, 1988)]

At the same time, it is important to bear in mind, as the DOL points out, that many of the jobs in these and other service industries are low-wage, seasonal, and part-time positions. "Quality" jobs offering a living wage, decent working conditions, and some prospects for career advancement are less likely to be found in these industries than in construction, manufacturing, public service, and other sectors.

At least 16 specific occupational training programs can be identified which have a direct and immediate connection to hospitality, recreation, and tourism and travel services:

1). One Agriculture/Agribusiness Education program:

Outdoor Recreation (CIP 31.0201)

2). Three Home Economics Education programs:

Two *Food Production, Management, and Services* (CIP 20.04) programs:

Chef/Cook (CIP 20.0403)
Food Service (CIP 20.0406)

One *Institutional, Home Management, and Supporting Services* (CIP 20.06) program:

Executive Housekeeping (CIP 20.0605)

3). Twelve Marketing and Distributive Education programs:

Five *Institutional Management* (CIP 06.07) programs:

Hotel/Motel Management (CIP 06.0701)
Recreational Enterprises Management (CIP 06.0702)
Resort Management (CIP 06.0703)
Restaurant Management (CIP 06.0704)
Transportation Management (CIP 06.0705)

Four *Hospitality and Recreation Marketing* (CIP 08.09) programs:

Marketing of Hotel/Motel Services (CIP 08.0902)
Marketing of Recreational Services (CIP 08.0903)
Recreational Products Marketing (CIP 08.0904)
Waiter/Waitress and Related Services (CIP 08.0905)

Three *Transportation and Travel Marketing* (CIP 08.11) programs:

Passenger Transportation Marketing (CIP 08.1103)
Tourism (CIP 08.1104)
Travel Services Marketing (CIP 08.1105).

The General Education Development (GED) levels of the *Dictionary of Occupational Titles* (DOT) occupations associated with nine of those 16 programs suggest that it might be most appropriate to offer those nine at the postsecondary level: the five institutional management programs, three of the four hospitality and recreation services marketing programs, and Cook/Chef (20.0403).

However, note that the Occupational Information System (OIS) developed by the Maine Occupational Information Coordinating Committee (MOICC) crosswalks Marketing of Hotel/Motel Services (CIP 08.0902) solely to the OES occupation Desk Clerk (40061603) through Unit of Analysis 053—Hotel/Motel Desk Clerks.

All of the seven programs which *Vocational Preparation and Occupations* (VPO—the standard national reference on occupational education programs, published by the National Occupational Information Coordinating Committee) suggests are most appropriate at the secondary level are included in OIS Units of Analysis (UA).

However, only two of these programs are currently offered in the State.

The following are notes on the supply/demand outlook for those UA's and their associated programs:

OUTDOOR RECREATION (31.0201—"an instructional program that describes the establishing, maintaining, and operating of recreational facilities") is not currently offered in Maine. At the present time, this program is included in UA 36—Recreation Group—with projected average annual openings (AAO) of 48 (20 due to growth, 28 due to replacements). However, this figure may be misleading, since the AAO for this UA refer to the OES occupation Group Recreation Worker (10243201). This latter occupation is primarily concerned with therapeutic and social work applications of recreational activities, whereas Outdoor Recreation crosswalks to such DOT occupations as Manager, Dude Ranch (187.167-094), Animal-Ride Attendant (349.674-010), and Guide, Hunting and Fishing (353.161-010). Furthermore, the AAO for the occupations which are closely related to 31.0201 are almost entirely rolled up in OES residual categories (All Other Managers [20061699] and All Other Service Workers [70200099]). In addition, every related occupation is also related to at least one other specific vocational program and usually to several. Thus, a valid occupational supply/demand outlook statement for this program does not appear to be possible at this time.

FOOD SERVICE (20.0406), offered in Maine at both the secondary (16 sites) and the postsecondary (one site) levels, crosswalks to five OES occupations--Bartender (70040400); Host/Hostess, Restaurant, Lounge, and/or Coffee Shop (70041601); Kitchen Helper (70041802); Food Preparation and/or Service Workers, Fast Food Restaurant (70041804); and Pantry, Sandwich, and/or Coffee Makers (70041805)—through UA 129—Food Service Workers. UA 129 exhibits extremely high AAO (889), a very favorable supply/demand ratio (approximately 1 to 4), and fairly rapid employment growth (almost 40%). However, its Jobless Index (JI) is also fairly high (6.5). Analysis: high JI may indicate that substantial sources of supply exist outside of formal vocational education.

EXECUTIVE HOUSEKEEPING (20.0605), not currently offered in the State, is incorporated into UA 135—Housekeepers, Hotels. UA 135 crosswalks to the OES occupation Housekeeper (70080616), which exhibits relatively rapid growth (37%) but only 37 AAO.

WAITER/WAITRESS AND RELATED SERVICES (08.0905), not currently offered in the State, crosswalks to the OES occupation Waiter or Waitress (70041602) through UA 131—Waiters/Waitresses. UA 131 exhibits a very high AAO of 438 and modest growth of 16.5%. However, substantial sources of supply for restaurant serving occupations exist outside of formal vocational education.

TOURISM (08.1104), currently offered in Maine at the secondary level at one site (Dexter RVC), crosswalks to the OES occupation Travel Counselor, Automobile Club (40064804) through UA 057—Travel Assistance. UA 059 exhibits a modest rate of growth (not quite 18.5%) and a very low AAO (3). Nine students were enrolled in this program in 1987-88, suggesting that any increase in enrollment would pose a threat of a serious supply/demand imbalance unless the majority of completers are actually entering other occupations.

PASSENGER TRANSPORTATION MARKETING (08.1103) and TRAVEL SERVICES MARKETING (08.1105), neither currently offered in the State of Maine, crosswalk to the OES occupations Reservation Agent (40066403) and Ticket Agent (40066405) through UA 059—Reservation/Ticket Agent. UA 059 exhibits fairly rapid employment growth (almost 24%), but very low AAO (9). This level would appear to be too low to justify the development of a new vocational program.

Chris Lyons
6/15/89

SUMMARY ROSTER OF POSSIBLE NEW PROGRAM OPPORTUNITIES
FOR SECONDARY-LEVEL OCCUPATIONALLY-SPECIFIC SKILL TRAINING
IN THE STATE OF MAINE

TITLE	CIP CODE	AVERAGE ANNUAL OPENINGS
HOSPITALITY, RECREATION, AND TOURISM INDUSTRIES:		
Outdoor Recreation	31.0201	48
Food Service	20.0406	889
Executive Housekeeping	20.0605	37
Waiter/Waitress and Related Services	08.0905	438
Tourism	08.1104	3
Passenger Transportation and Travel Services Marketing	08.1103 08.1105	9
OTHER SECTORS:		
Machine Billing, Bookkeeping, and Accounting	07.0104	96
Insurance Clerk	07.0203	91
Mail and Order Clerk	07.0706	77
Receptionist and Communication Systems Operator	07.0707	277
Sales	08.0706	1990
Dry Cleaning and Laundering Services, General	12.0101	90
Barbering	12.0402	66
Cosmetology	12.0403	220
Commercial Garment and Apparel Construction	20.0303	142
Baking	20.0402	79
Custodial Services	20.0604	1255
Security Services	43.0109	444
Millwork and Cabinet Making	48.0703	137
Marine Maintenance	49.0306	62

COLOPHON

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